MUSCLE & NERVE

Official Journal of the American Association of Electrodiagnostic Medicine
Formerly American Association of Electromyography and Electrodiagnosis

VOLUME 15

ISSUES 1–12

JANUARY–DECEMBER 1992

John Wiley & Sons, Inc.
NEW YORK / CHICHESTER / BRISBANE / TORONTO / SINGAPORE

MUSCLE & NERVE

Official Journal of the American Association of Electrodiagnostic Medicine
Formerly American Association of Electromyography and Electrodiagnosis

EDITOR
Jun Kimura, MD
Department of Neurology
Kyoto University Hospital
Kyoto, Japan

FOUNDING EDITOR
Walter G. Bradley, DM, FRCP
Miami, Florida

ASSISTANT EDITOR
Robert L. Rodnitzky, MD
Iowa City, Iowa

EDITORIAL PRODUCTION
David Blount
John Wiley & Sons, Inc.

EDITORIAL ASSISTANTS
Ryuji Kaji, MD, PhD
Shun Shimohama, MD, PhD
Mari Yamane
Kyoto, Japan
Sheila Mennen
Iowa City, Iowa

ASSOCIATE EDITORS
Salvatore DiMauro, MD
New York, New York
Andrew G. Engel, MD
Rochester, Minnesota
George Karpati, MD
Montreal, Quebec, Canada
Jack H. Petajan, MD, PhD
Salt Lake City, Utah
David E. Pleasure, MD
Philadelphia, Pennsylvania
Erik V. Stålberg, MD
Uppsala, Sweden
P.K. Thomas, MD
London, England
Stephen G. Waxman, MD, PhD
New Haven, Connecticut

ADVISORY BOARD
Raymond Adams, MD
Boston, Massachusetts
Arthur J. Buller, MD, FRCP
Bristol, England
Christian Coërs, MD
Brussels, Belgium
John E. Desmedt, MD
Brussels, Belgium
Setsuro Ebashi, MD, PhD
Tokyo, Japan
David Grob, MD
Brooklyn, New York
Irena Hausmanowa-Petrusewicz, MD, PhD
Warsaw, Poland
Hugh E. Huxley, PhD
Waltham, Massachusetts
Byron A. Kakulas, AO, MD, FRACP
Perth, Western Australia
Irwin R. Konigsberg, PhD
Charlottesville, Virginia
Edward H. Lambert, MD, PhD
Minneapolis, Minnesota
Helen A. Padykula, PhD
Worcester, Massachusetts
Georges Serratrice, MD
Marseille, France
John A. Simpson, MD, FRCP, FRS (Edin)
Glasgow, Scotland
Lord John Walton, MD, DSc
Oxford, England
David Yaffe, PhD
Rehovot, Israel

EDITORIAL BOARD
Adel K. Afifi, MD
Iowa City, Iowa
Michael J. Aminoff, MD
San Francisco, California
Shukuro Araki, MD
Kumamoto, Japan
Daniel T. Barry, MD, PhD
Ann Arbor, Michigan
William F. Brown, MD
London, Ontario, Canada
Stirling Carpenter, MD
Montreal, Quebec, Canada
Roger Q. Cracco, MD
Brooklyn, New York
Daniel Dumitru, MD
San Antonio, Texas
Gloria D. Eng, MD
Washington DC
Robert C. Griggs, MD
Rochester, New York
Mark Hallett, MD
Bethesda, Maryland
Eric P. Hoffman, PhD
Pittsburgh, Pennsylvania
Hanns C. Hopf, MD
Mainz, Germany
John J. Kelly, Jr, MD
Washington, DC
William R. Kennedy, MD
Minneapolis, Minnesota
Louis M. Kunkel, PhD
Boston, Massachusetts
Robert B. Layzer, MD
San Francisco, California
Robert P. Lisak, MD
Detroit, Michigan
Terje Lomo, MD
Blindern, Norway
Toru Mannen, MD
Tokyo, Japan
James G. McLeod, DPhil, FRACP
Sydney, Australia
Jerry R. Mendell, MD
Columbus, Ohio
Nick M.F. Murray, MB
London, England
John Newsom-Davis, MD, FRCP
Oxford, England
Jose L. Ochoa, MD, PhD
Portland, Oregon
Reinhardt Rüdel, PhD
Ulm, Germany
Donald B. Sanders, MD
Durham, North Carolina
Eijiro Satoyoshi, MD
Tokyo, Japan
Donald L. Schotland, MD
Philadelphia, Pennsylvania
Itsuro Sobue, MD
Nagoya, Japan
Walter G. Stolov, MD
Seattle, Washington
Hideo Sugita, MD
Tokyo, Japan
Thomas R. Swift, MD
Augusta, Georgia
Marc E. Tischler, PhD
Tucson, Arizona
Klaus V. Toyka, MD
Wurzbarg, Germany

Muscle & Nerve *(ISSN 0148-639X) is published monthly, one volume per year, by John Wiley & Sons, Inc., 605 Third Avenue, New York, NY 10158.*

Address for manuscript submission: *Jun Kimura, M.D., Department of Neurology, Kyoto University Hospital, Shogoin, Sakyoku, Kyoto 606, Japan. Fax 075 761 9780*

Copyright © 1992 John Wiley & Sons, Inc. All rights reserved. No part of this publication may be reproduced in any form or by any means, except as permitted under section 107 or 108 of the 1976 United States Copyright Act, without either the prior written permission of the publisher, or authorization through the Copyright Clearance Center, 27 Congress Street, Salem, MA 01970, (508) 744-3350, fax (508) 745-9379. Second-class postage paid at New York, NY, and at additional mailing offices.

Subscription price: *1992 $375.00 U.S.A.; $525.00 outside U.S.A. (postage and handling included). A personal rate is available to individuals:$165.00 (in U.S.A.); $225.00 (outside U.S.A). Claims for undelivered copies will be accepted only after the subsequent issue has been received. Please enclose a copy of the mailing label. Missing copies will be supplied when losses have been sustained in transit and where reserve stock permits. Please allow four weeks for processing a change of address. For subscription inquiries, please call customer service at (212) 850-6645 or write to the above address.*

Postmaster: *Send address changes to* Muscle & Nerve, *Susan Malawski, Fulfillment Manager, Subscription Department, John Wiley & Sons, Inc., 605 Third Avenue, New York, NY 10158.*

The contents of this journal are indexed or abstracted in BIOSIS Data Base, CABS, Current Contents/Life Sciences, Excerpta Medica, Index Medicus, Research Alert, Science Citation Index, and Scisearch.

Advertising/Sales: *Inquiries should be forwarded to Roberta Frederick, Advertising/Sales, John Wiley & Sons, 605 Third Avenue, New York, NY 10158 (212) 850-6763. Advertising Sales, European Contact: Michael Levermore, Advertising Manager, John Wiley & Sons, Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England.*

Other Correspondence: *Address all other correspondence to:* Muscle & Nerve, *Publisher, Interscience Division, Professional, Reference, and Trade Group, John Wiley & Sons, Inc., 605 Third Avenue, New York, NY 10158.*

Published by John Wiley & Sons, Inc.

Supported in part by the Muscular Dystrophy Association MDA

This journal is printed on acid-free paper.

MUSCLE & NERVE

SUBJECT INDEX TO VOLUME 15

This index gives the first author (in parentheses) and the first page of the article, abstract, book review, or letter in which the indexed subject occurs. The reader is referred to the author index for the full title and the following code: A = abstract, B = book review, and L = letter.

A

Abnormal regeneration (Valls-Sole) 37
Acetylcholine receptor deficiency
(Jennekens) 63
Acetylcholine receptor
(Degli-Esposti) 543
(Thompson) 94
Acetylcholinesterase deficiency
(Jennekens) 63
Acetylcholinesterase inhibition
(Besser) 1072
(Triggs) 267
Acoustic myography (Barry) 303
Action potential
(Horowitz) 374
(Dumitru) 101
(Dumitru) 949
Acute neuropathy (Santoro) 788
Acute toxic sensory neuronopathy
(Chang) 513-L
Adenosine triphosphatase (ATPase) stain
(Pestronk) 258-L
Adrenergic (Low) 1340
Age
(Stetson) 1095
(Trojaborg) 666
Aging
(Hicks) 87
(Lexell) 404
AIDS (Bélec) 856-L
AIDS (Herzberg) 706
Alcohol abuse (Kennedy) 1373-L
American Association of
Electrodiagnostic Medicine (American
Association of Electrodiagnostic
Medicine) 229
Amino acid (Pickett) 761
Amiodarone (Santoro) 788
Amitriptyline (Low) 1340
Amplitude (Horowitz) 374
Amyotrophic lateral sclerosis
(Arvidson) 1089
(Bromberg) 1189-A
(Cornblath) 1111
(Eisen) 1173-A
(Eisen) 219
(Karpati) 224
(Soliven) 656
(Stewart) 1200-A
(Swash) 226
Amyotrophic lateral sclerosis-like
disorder (Yuki) 1371-L
Anabolic steroids (Salmons) 806
Anal sphincter (Conwit) 1201-A
Anionic phospholipids sialic acid
(Moggio) 325
Anodal block (Lee) 1185-A
Anomalous innervation (Amoiridis) 576
Anorectal incontinence (Herbaut)
1210-L
Anterior interosseous nerve syndrome
(Wertsch) 977
Anthropometry (Stetson) 1095
Antibody rebound (Rudnicki) 57
Anticholinesterase toxicity (Maselli)
1197-A
Anti-GD_{1a} antibody (Yuki) 899
Antigenic determinant, synthetic
(Matsuo) 282
Antigens (Cifuentes-Diaz) 295
Anti-GM_1 antibody (Yuki) 899
Anti-MAG antibodies (Thomas) 891
Antiperipheral nerve myelin antibodies
(Rudnicki) 57
Artifact (Gilchrist) 442
Artificial intelligence (Xiang) 180
Atrophy
(Bridges) 172
(Maltin) 188
Autoimmune disorders (Simmons) 630
Autoimmune myasthenia gravis,
experimental acetylcholine receptor
(Matsuo) 282
Autoimmune thyroiditis (Ho) 966-L
Autoimmunity (Bao) 1271
Autonomic and sensory neuropathy
(Engstrom) 1181-A
Autonomic dysfunction
(Ando) 507
(McLeod) 3
Autonomic nervous system testing
(Kahn) 1158
Autonomic neuropathy in diabetes
(Kahn) 1158
Autonomic surface potentials (Hoeldtke)
926
Autoradiography (Grounds) 580
Axon cytology (Alderson) 1284
Axon degeneration (Santoro)
788
Axon loss (Watson) 768
Axonal degeneration, in Guillain–Barré
syndrome (Yuki) 116-L
Axonal form of Guillain–Barré
syndrome (Yuki) 899
Axonal microstimulation (Trontelj) 449
Axonal swellings (Alderson) 1284
Axonopathy (Gilchrist) 442
Axoplasmic flow (Arvidson) 1089

B

β-agonist (Maltin) 188
Bayes classifier (Patock) 967-L
Becker dystrophy (Gronert) 52
Becker muscular dystrophy
(de Visser) 591
(Gold) 214
(Shrager) 1133
(Zupan) 362
Becker's muscular dystrophy (Moggio)
325
Bell's palsy
(Valls-Sole) 37
(Vieregge) 1058-L
Bethlem myopathy (de Visser) 591
Bilateral cervical radiculopathies (Rich)
1198-A
Biological transport (Pickett) 761
Birth trauma (Feasby) 937
Blink reflex (Feldman) 490
Blood pressure (Low) 1340
Botox (Yoshimura) 1045
Botulinum toxin
(Hamjian) 1189-A
(Yoshimura) 1045
Botulism (Howard) 1202-A
Botulism (Maselli) 273
Brachial plexus lesions (Baran) 1186-A
Brachial plexus (Watson) 701
Brainstem motor neuron excitability
(Leis) 1202-A
Brainstem reflexes (Kofler) 1200-A
Brainstem topography (Hopf)
1278

C

Ca-ATPase (Leivseth) 843
Caffeine contractures (Gronert) 52

Calcium channel blocking drugs (Swash) 396
Calcium current (Viglione) 1325
Calcium
(Dangain) 77
(Moggio) 325
Calcium release (Beech) 932
Calf enlargement (Krendel) 517-L
Campylobacter jejuni
(Sato) 968-L
(Yuki) 899
Carbonic anhydrase (Askmark) 643
Cardiomyopathy
(de Visser) 591
(Shapiro) 604
Cardiovascular reflexes (Stewart) 661
Carpal tunnel syndrome
(Andary) 1174-A
(Chu) 1175-A
(Imaoka) 318
(Mandel) 1187-A
(Mandel) 1192-A
(Mitsumoto) 1364
(Preston) 1253
(Schleimer) 1174-A
Ca^{2+}–ATPase (Everts) 162
Cental delay (Abbruzzese) 21
Central motor excitability (Triggs) 1200-A
Cervical dystonia (Buchman) 1173-A
Cervical magnetic stimulation (Chong) 1199-A
Cervical radiculopathy
(Grana) 1203-A
(Maggiano) 1203-A
CGRP (Li) 984
Charcot–Marie–Tooth disease (Carter) 459
Charcot–Marie–Tooth neuropathy (Ionasescu) 368
Chicken skeletal muscle (Gao) 419
Childhood Guillain–Barré syndrome (Bradshaw) 500
Chromogranin A (Li) 984
Chrondodispersion (Fraser) 912
Chronic sensory "demyelinating" neuopathy (CSDN) (Oh) 255-L
Clamp, for muscle biopsies
(Siegel) 515-L
(Soza) 515-L
Class II MHC antigens (Cifuentes-Diaz) 295
Clenbuterol
(Maltin) 188
(Maltin) 919
(Mantle) 471
Coenzyme Q_{10} (Wu) 1258
Colles' fracture (Heise) 1182-A
Compound motor action potentials (Cros) 587
Compound sensory action potential (Krarup) 813
Computerization (Xiang) 180
Concentric EMG (Nix) 193
Concentric macro EMG
(Bauermeister) 1081
(Gan) 1085
Conditioning stimuli (Komori) 48
Conduction block
(Hömberg) 467
(Hoogendijk) 520-L
(Oh) 521-L
(Parry) 1057-L
(Sumner) 523-L
(Watson) 701
(Watson) 768
Conduction blocks (Magistris) 1056-L
Conduction delay (Imaoka) 318
Conduction velocity
(Horowitz) 374
(Krarup) 813
Confidence intervals (Cornblath) 1111
Confocal laser scanning(Li) 984
Congenital abnormalities (Isaacs) 740
Congenital myasthenia
(Jennekens) 63
(Triggs) 267
Congenital myopathy (Nomizu) 463
Connective tissue diseases (Olney) 531
Contractile activity (Askmark) 643
Contractile properties (Dupont-Versteegden) 1105
Contractile properties (Elder) 672
Contractile speed
(Bigland-Ritchie) 130
(Rice) 1123
Contraction (Dangain) 77
Contraction time (Dengler) 1138
Coronary artery bypass surgery (Watson) 701
Cortical motor responses (Komori) 48
Cortical stimulation (Fuhr) 733
Corticomotoneuron (Eisen) 219
Corticosteroids (Massa) 1290
CPEO (Matsuoka) 209
Cranial nerve toxicity (Feldman) 490
Creutzfeldt–Jakob disease (Neufeld) 1234
Cricoarytenoids (Rodriquez) 1197-A
Cricopharyngeus muscle involvement (Litchy) 115-L
Cross-correlation (Yaar) 410
Crustacean (Beyette) 1023
Cryoglobulinemia (Thomas) 891
Cubital tunnel syndrome (Campbell) 1050
Cultures (Cifuentes-Diaz) 295
Cutaneous reflexes (Fuhr) 733
Cyclosporin A (Waterston) 445
Cytochrome *c*-oxidase (Matsuoka) 209
Cytomegalovirus (Hughes) 568

D

Dantrolene (Moussavi) 384
Decrement-increment phenomenon (Besser) 1072
Deep peroneal sensory branch (DPSB) (Posas) 745-L
Demyelinating neuropathy (Neufeld) 1234
Demyelinating polyneuropathy
(Kuruoglu) 1178-A
(Luciano) 1178-A
Demyelination
(Rudnicki) 57
(Santoro) 788
(Thomas) 891
Denervated muscle (Moo) 1183-A
Denervation
(Askmark) 643
(Dieler) 433
(Elmquist) 876
(Maltin) 188
(Maltin) 919
(Mantle) 471
(Massa) 1290
(Mechalchuk) 310
(Sánchez-Mejorada) 716
(Shefner) 1265
(Venema) 725
Dermatomes (Snowden) 1036
Desmin
(Bornemann) 14
(Misra) 1246
Devascularization (Mechalchuk) 310
Development (Li) 984
Dextran (Elmquist) 876
Diabetes mellitus
(Barohn) 850
(Redmond) 1334
Diabetic autonomic failure (Kahn) 1158
Diabetic neuropathy
(Kahn) 1144
(Kahn) 1167
(Nukada) 1116
Diabetic polyneuropathy
(Kahn) 1144
(Kahn) 1150
Diagnosis electrophysiology (Oh) 720
Diagnostic imaging (Snowden) 1036
Diagnostic sensitivity (Engstrom) 277
Diaphragm
(Bolton) 678
(Dupont-Versteegden) 1105
Diaphram paralysis (Swenson) 597
Didemnin B (Foreman) 515-L
Differential amplifiers (Gilchrist) 442
Differentiation (Yang) 941
Dip analysis (Yaar) 410
Distal latencies (Goldberg) 1185-A
Distal motor latencies (Park) 1188-A
DMD (Moggio) 325
DMD/BMB carriers (Barbiroli) 344
DNA probes (Prior) 960
Domatosensory evoked potentials (Brown) 626
Dorsal nerve of the penis nerve conduction velocity (Clawson) 515-L
Dorsal nerve of the penis nerve conduction velocity (Weber) 515-L
D-penicillamine (Dominkus) 1300-L
D-penicillamine treatment (Topaktas) 1299-L
Drowsiness (Chong) 1201-A
Drug interaction (Swash) 396
Duchenne carriers (Barbiroli) 344
Duchenne muscular dystrophy
(Shrager) 1133
(Zupan) 362
(Blau) 1209-L
(Gronert) 52
(Huard) 550
(Karpati) 1209-L
(Prior) 960
(Shapiro) 604
Dysphagia, severe (Litchy) 115-L
Dystonia (Hallett) 1378
Dystrophic mice (Shoji) 971-L
Dystrophin
(Gold) 214
(Harris) 518-L
(Huard) 550
(Moggio) 325

(Wakayama) 519-L
(Yang) 941
Dystrophy
(Dangain) 77
(Elder) 672
(Grounds) 580

E

EAMG (Thompson) 94
e–c coupling (Dangain) 77
Echocardiography (de Visser) 591
Electrical neurologic injuries
(Cherington) 1196-A
Electrical stimulation (Schmid) 829
Electrocardiography (de Visser) 591
Electrode (Gilchrist) 442
Electrodiagnosis
(Little) 755
(Snowden) 1036
Electrodiagnostic evaluation (Kahn) 1150
Electrodiagnostic medicine
(American Association of Electrodiagnostic Medicine) 229
(Hallett) 1378
Electromagnetics (Odderson) 711
Electromyographic signal dynamics
(Goldberg) 1192-A
Electromyography
(Bolton) 678
(Bradshaw) 500
(Campbell) 1050
(Gross) 390
(Leis) 1345
(Morgenlander) 1196-A
(Nomizu) 463
(Olney) 531
Electron microscopy (Hughes) 568
Electron-microscopic cytochemical study
(Harris) 518-L
(Wakayama) 519-L
Electrophysiological mapping
(Phillips) 966-L
(Stewart) 965-L
EMG (Fisher) 1201-A
EMG interference pattern (Yaar) 780
EMG
(Liguori) 1319
(Nix) 193
EMG pain (Maurer) 1188-AEMG signal decomposition (Stashuk) 1191-A
EMG (Xiang) 180
Endocytosis (Elmquist) 876
Endoneurial vessels and the perineurium (Kahn) 1147
End-plate depolarization
(Besser) 1369-L
(Maselli) 1370-L
Endplate (Elmquist) 876
Entrapment neuropathy
(Gross) 390
(Imaoka) 318
Eosinophilia
(Donofrio) 796
(Tanhehco) 561
Eosinophilia-myalgia syndrome
(Donofrio) 796
Epidermal growth factor (St. Clair) 774
Ergotamine intoxication (Hömberg) 467
Excitation–contraction coupling
(Quinlan) 837
(Moussavi) 384
Exercise test (Jackson) 1069
Experimental diabetes (Nukada) 1116
Experimental error (Trojaborg) 666
Experimental regeneration (Bornemann) 14
Expert system (Xiang) 180
Extensor pollicis longus/abductor pollicis longus (Watson) 768
Extremity pain (David) 1196-A
Eye movement recording (ter Bruggen) 358

F

F wave (Dengler) 1138
F waves (Fisher) 1223
Facial nerve
(Schmid) 829
(Valls-Sole) 37
(Yoshimura) 1045
Facioscapulohumeral dystrophy (de Visser) 591
Familial amyloidotic polyneuropathy
(Ando) 507
Familial cardiomyopathy (Gold) 214
Far-field potential (Hashimoto) 106
Far-field potentials
(Dumitru) 101
(Dumitru) 949
Fasciculations (Howard) 1240
Fatigue
(Enoka) 138
(Moussavi) 384
(Yaar) 780
Fatigue of long duration (Moussavi) 384
Femoral mononeuropathy
(Al-Hakim) 1183-A
(Richardson) 1182-A
F/H responses (Komori) 48
Fiber density
(Gantayat) 168
(Gilchrist) 151
Fiber size (Lexell) 965-L
Fiber size (Venema) 964-L
Fiber type grouping (Venema) 725
Fiber types (Graham) 27
Fibronectin (Hurme) 482
Firing rate
(Sanders) 256-L
(Trontelj) 258-L
Flavivirus (Bao) 1271
Focal myositis (Krendel) 517-L
Focal neuropathy (Campbell) 1050
F-responses (Stashuk) 1204-A
F-wave (Fraser) 912

G

Gender (Horowitz) 374
Gene therapy (Shrager) 1133
Generating mechanism of P9 potential (Hashimoto) 106
Genetic linkage (Ionasescu) 368
Germanium intoxication (Wu) 1258
Germline mosaicism (Prior) 960
Gilliatt, Roger (Sumner) 125
Glucose uptake (Shoji) 971-L
Glycogen storage (Amit) 455
Glycolytic potential (Graham) 27
Gout (Puig) 822
Granulomatous (Krendel) 743-L
Growth factors (Maltin) 919
Growth
(Lexell) 404
(Maltin) 188
Guillain–Barré syndrome
(Chaudhry) 1180-A
(Thiel) 1176-A
(Gantayat) 168
(Hughes) 568
(Sato) 968-L
(Yokota) 1211
(Yuki) 116-L

H

H reflex (Abbruzzese) 21
H reflexes (Fisher) 1223
Habituation (Hoeldtke) 926
Halothane contractures (Gronert) 52
Hand muscles (Kakuda) 332
Height
(Stetson) 1095
(Trojaborg) 666
Hemifacial spasm (Yoshimura) 1045
Hereditary motor and sensory neuropathy, type I (Carter) 459
Hindlimb suspension (Sancesario) 1002
Histochemical (Nomizu) 463
Histocytochemistry (Lexell) 404
Histograms
(Lexell) 965-L
(Venema) 964-L
HIV (Higuchi) 43
HIV wasting syndrome (Bélec) 856-L
HLA (Sato) 968-L
[^{3}H]ouabain binding (Leivseth) 843
H-reflexes
(Miller) 1194-A
(Zhu) 1195-A
HTLV-I (Higuchi) 43
Human (Everts) 162
Human immunodeficiency virus (Rogers) 1176-A
Human skeletal muscle
(Cifuentes-Diaz) 295
(Nakano) 496
Hyperkalemic periodic paralysis (Beech) 932
Hyperthermia malignant (Gronert) 52
Hypertrophy (Salmons) 806
Hypokalemia (Jackson) 1069
Hypothyroid myopathy (Giampolo) 1207-A
Hypoxanthine (Puig) 822

I

ICU electrophysiology (Spitzer) 682
Idiopathic thrombocytopaenic purpura (Ho) 966-L
Ilioinguinal nerve conduction (Ellis) 1194-A
Immobilization (Leivseth) 843
Immortalization (Yang) 941
Immunocytochemistry
(Beyette) 1023
(Bornemann) 14
(Li) 984
(Misra) 1246
Immunological responses (Huard) 550

Immunostaining (Hughes) 568
Immunotherapies (Oh) 255-L
In situ hybridization (Higuchi) 43
In situ (Quinlan) 837
Inclusion biopsy myositis (Bird) 1206-A
Inclusion body myositis
(James) 1207-A
(Litchy) 115-L
Infantile glycogen storage disease (Amit) 455
Inhibition (Leis) 1345
Innervation of the hand (Sachs) 1186-A
Insulin (Pickett) 761
Integrin (Hurme) 482
Intercostal muscle stimulation (Lin) 1196-A
Interindividual variability (Abbruzzese) 21
Intermediate filament myopathy (Busis) 1203-A
Interossei (Preston) 1253
Intertrial variability (Engstrom) 277
Intramuscular succinylcholine (Scott) 1190-A
Intrinsic hand muscles (Amoiridis) 576
Ischemia (Hömberg) 467
Ischemic susceptibility (Nukada) 1116
Isoforms (Sawchak) 1349
Isometric force (Rice) 1123
Isozymes (Nakano) 496

J

Jaw opening dystonia (Strommen) 1177-A
Jitter
(Buchman) 615
(Gilchrist) 151
(Soliven) 656
(Trontelj) 449

K

King–Denborough (Isaacs) 740
ky (Bridges) 172

L

Lambert–Eaton masthenic syndrome
(Trontelj) 258-L
(Sanders) 256-L
(Viglione) 1325
(Weidman) 1202-A
Laminin (Hurme) 482
Land crab (Beyette) 1023
Laryngeal dysfunction (Simpson) 1213-L
Laser Doppler flowmetry (Ando) 507
Lateral tilting (Aiello) 479
L-dopa (Fuhr) 733
Lead (Pamphlett) 620
Leg muscles (Phillips) 966-L
Leg muscles (Stewart) 965-L
Leprous neuropathy (Bilbao) 1180-A
Lobster (Beyette) 1023
Localized hypertrophic neuropathy (Mitsumoto) 1364
Long latency reflexes (Fuhr) 733
Long-term electrical stimulation (Zupan) 362
L-tryptophan
(Donofrio) 796
(Tanhehco) 561
Lubrical (Preston) 1253
Lumbar radiculopathy (Haig) 1193-A
Lumbosacral nerve root (Macdonell) 885
Lumbosacral plexus injury (Feasby) 937
Lumbosacral polyradiculoneuropathy (Streib) 1179-A
Lumbosacral radiculopathies (Grana) 1204-A

M

Macro EMG
(Maselli) 648
(Nix) 193
Magnetic coil stimulation
(Cros) 587
(Clouston) 1172-A
Magnetic stimulation
(Macdonell) 885
(Nogués) 993
(Odderson) 711
Magneto-electrical (Komori) 48
Major histocompatibility complex (Bao) 1271
Malignant hyperthemia
(Isaacs) 740
(Everts) 162
(Gronert) 52
Malignant thymoma (Crisafulli) 1203-A
Markov random field (Venema) 725
Martin–Gruber anastomosis (Amoiridis) 576
Massage (Herskovitz) 1215-L
Masseter reflex (Hopf) 1278
Mast cell (Sánchez-Mejorada) 716
Maup analysis (Patock) 967-L
Maximal and submaximal contractions (Bigland-Ritchie) 130
McArdle disease (Krendel) 1208-A
McArdle's disease (Puig) 822
mdx mouse
(Dupont-Versteegden) 1105
(Grounds) 580
(Mechalchuk) 310
MDX (Quinlan) 837
Mean amplitude (Liguori) 1314
Mean frequency (Yaar) 780
Mean MCD (Gilchrist) 151
Medial calcaneal nerve (Del Toro) 1194-A
Medial calcaneal nerve (Park) 1187-A
Median motor fibers (Doherty) 1193-A
Median nerve (Amoiridis) 576
Median nerve block (Thompson) 1193-A
Median nerve compound motor action potential (Patel) 1188-A
Median nerve
(Hashimoto) 106
(Odderson) 711
(Preston) 1253
Median premotor potentials (Mandel) 1185-A
Median sensory evoked potentials (Werner) 1192-A
Median thenar motor fibers (Watson) 1187-A
MEPs (Nogués) 993
Mercury (Arvidson) 1089
Metabolic myopathies (Gold) 214
Methodology (Nix) 193
Microneurogram (Kakuda) 332
Microscopy (Li) 984
Microsporidosis myositis (Preston) 1206-A
Miniature endplate potential (Maselli) 273
Minimum latency (Fraser) 912
Mitochondria (Herzberg) 706
Mitochondrial abnormalities (Mitsumoto) 1210-L
Mitochondrial DNA deletion (Matsuoka) 209
Mitochondrial myopathy
(Herzberg) 706
(Matsuoka) 209
(Wu) 1258
Mitral valve prolapse (Nomizu) 463
Möbius syndrome (Jaradeh) 1175-A
Molecular genetics (Degli-Esposti) 543
Monoclonal antibodies (Reggiani) 199
Monoclonal antibody (Sawchak) 1349
Mononeuritis multiplex (Simmons) 630
Mononeuropathy
(Herskovitz) 1215-L
(Mitsumoto) 1364
Monopolar electrode (Buchman) 615
Morphometry (Kahn) 1147
Motoneuron
(Eisen) 219
(Soliven) 656
Motoneuron excitability (Valls-Sole) 37
Motor axons (Alderson) 1284
Motor axons, neuromuscular junction (Pamphlett) 620
Motor conduction velocity (Kakuda) 332
Motor endplates (Li) 984
Motor evoked potentials
(Kiers) 1172-A
(Little) 755
Motor (Gilchrist) 442
Motor nerve
(Chaudhry) 687
(Pickett) 761
Motor nerve conduction (Bromberg) 1185-A
Motor neuron disease
(Howard) 1240
(Pamphlett) 620
(Sánchez-Mejorada) 716
Motor neurons (Arvidson) 1089
Motor neuropathy
(Cornblath) 1111
(Magistris) 1056-L
(Parry) 1057-L
Motor unit action potential (Gootzen) 349
Motor unit action potentials (Enoka) 138
Motor unit
(Dengler) 1138
(Enoka) 138
(Kakuda) 332
(Maselli) 648
Motor unit estimates (Barkhaus) 1190-A
Motor unit firing rates (Rice) 1123
Motor unit parameters (Bauermeister) 1081
Motor unit potential (Harmon) 1205-A
Motor unit potentials (Bauermeister) 1081
Motor unit structure (Gootzen) 349

Motor unit territory (Gootzen) 349
Motosynaptic reflex (Soliven) 656
Mouse (Reggiani) 199
mRNA (Brownson) 694
Multicatalytic proteinase (Beyette) 1023
Multichannel inching recording (Imaoka) 318
Multijoint coordination (Lou) 1171-A
Multiple sclerosis
(Morgenlander) 1198-A
(Shefner) 1198-A
(Shefner) 1265
(Shefner) 73
Multiple-system atrophy and autonomic failure (MSA) (Simpson) 1213-L
Muscle activation
(Bigland-Ritchie) 130
(Rice) 1123
Muscle afferents (Komori) 48
Muscle atrophy (Sancesario) 1002
Muscle biopsies
(Bornemann) 14
(Lexell) 965-L
(Siegel) 515-L
(Soza) 515-L
(Venema) 964-L
Muscle biopsy
(Cotliar) 1197-A
(Everts) 162
Muscle carbohydrate metabolism (Shoji) 971-L
Muscle cells (Herzberg) 706
Muscle contraction (Thompson) 94
Muscle development
(Dupont-Versteegden) 1105
(Wigmore) 1301-L
Muscle differentiation (Cifuentes-Diaz) 295
Muscle disease (Miller) 111
Muscle energy metabolism (Barbiroli) 344
Muscle fatigue
(Barry) 303
(Zupan) 362
Muscle fiber action potential (Triggs) 267
Muscle fiber conduction velocity (Yaar) 410
Muscle fiber conduction (Yaar) 780
Muscle fiber propagation velocity (Trontelj) 449
Muscle fiber teasing method (Matsuoka) 209
Muscle fiber type (Wu) 1258
Muscle histochemistry (Pestronk) 258-L
Muscle infarction (Barohn) 850
Muscle length (Sancesario) 1002
Muscle (Maltin) 188
Muscle regeneration
(Grounds) 580
(Hurme) 482
Muscle sounds (Barry) 303
Muscle strength
(Fang) 1195-A
(Zupan) 362
Muscle ^{31}P-MR spectroscopy (Barbiroli) 344
Muscle tone (Aiello) 479
Muscular dystrophy
(Dupont-Versteegden) 1105
(Miller) 111
(Reggiani) 199
Mutation (Yang) 941
M-wave (Hicks) 87
Myalgia (Tanhehco) 561
Myasthenia gravis
(Buchman) 615
(Claussen) 1189-A
(Crisafulli) 1203-A
(Head) 1190-A
(Ho) 966-L
(Lobeck) 1206-A
(Oh) 720
(Pilch) 1204-A
(Rivero) 1205-A
(Ross) 1200-A
(Rouseev) 399
(Swash) 396
(Thompson) 94
Myasthenia gravis (MG) (Topaktas) 1299-L
Myasthenogenicity (Matsuo) 282
Myelinated afferents (Angus-Leppan) 288
Myelinated nerve fibers (Alderson) 1284
Myoblast (Shrager) 1133
Myoblast transfer
(Blau) 1209-L
(Karpati) 1209-L
Myoblast transfer therapy (Huard) 550
Myoblast transplantation (Huard) 550
Myoblasts (Bao) 1271
Myofibrillar disruption (Sancesario) 1002
Myogenesis (Cifuentes-Diaz) 295
Myoinositol (Pickett) 761
Myokymia (Valls-Sole) 37
Myopathic motor units (Gan) 1085
Myopathy (Bolton) 678
Myopathy
(Bridges) 172
(Engstrom) 277
(Gronert) 52
(Mechalchuk) 310
(Tanhehco) 561
Myopathy reducing (Nomizu) 463
Myosin
(Brownson) 694
(Gao) 419
Myosin heavy chain
(Sawchak) 1349
(St. Clair) 774
Myosin heavy chains (Graham) 27
Myosin
(Massa) 1290
(Reggiani) 199
Myositis (Bao) 1271
Myotonia
(Beech) 932
(Foreman) 515-L
(Miller) 111
Myotonia congenita (Miller) 111
Myotonic dystrophy (MD) (Herbaut) 1210-L
Myotonic dystrophy (ter Bruggen) 358
Myotubes (St. Clair) 774
Myotubular myopathy (Misra) 1246

N

Na^+-K^+–ATPase (Everts) 162
Neck dissection (Peterson) 1182-A
Necrosis-training-fiber types (Elder) 672
Nerve biopsy
(Hughes) 568
(Kahn) 1148
Nerve compression syndrome (Campbell) 1050
Nerve compression syndromes (Gross) 390
Nerve conduction
(Chaudhry) 687
(Cornblath) 1111
(Rudnicki) 57
Nerve conduction studies
(Bradshaw) 500
(Preston) 1253
(Stetson) 1095
(Watson) 701
Nerve conduction study
(Olney) 531
(Xiang) 180
Nerve endings (Dieler) 433
Nerve fiber morphometry (Kahn) 1147
Nerve fibers (Angus-Leppan) 288
Nerve injury
(Chaudhry) 687
(Feasby) 937
Nerve ischemia (Nukada) 1116
Nerve pathology (Nukada) 1116
Neuralgic amyotrophy
(Pant) 1184-A
(Wertsch) 977
Neuroacanthocytosis (Yagnik) 1179-A
Neurogenic motor units (Gan) 1085
Neurography (Schmid) 829
Neuromuscular blockade (Ridings) 1205-A
Neuromuscular causes (Spitzer) 682
Neuromuscular disease (Carter) 459
Neuromuscular diseases (Arvidson) 1089
Neuromuscular disorders
(Liguori) 1319
(Yaar) 780
Neuromuscular function (Degli-Esposti) 543
Neuromuscular jitter
(Sanders) 256-L
(Trontelj) 258-L
Neuromuscular junction disorders
(Buchman) 615
Neuromuscular propagation (Enoka) 138
Neuromuscular spindle (Dieler) 433
Neuromuscular transmission
(Maselli) 273
(Maselli) 648
Neuropathy
(Bolton) 678
(Gross) 390
(Hömberg) 467
(Olney) 531
(Shefner) 73
(Simmons) 630
(Tanhehco) 561
(Thomas) 891
(Waterston) 445
Neurophysiology (Hallett) 1378
Normal values (Stetson) 1095
Nuclear number, during muscle development (Wigmore) 1301-L

O

Obstetric paralysis (Feasby) 937
Occupational exposure (Feldman) 490

Oculocraniosomatic syndrome (Arenas) 1055-L
Oculopharyngeal muscular dystrophy
(Arenas) 1055-L
(James) 1207-A
(Mitsumoto) 1210-L
Olivopontocerebellar atrophy (Valls-Sole) 1171-A
Organophosphate-induced electromyographic response, to nerve stimulation
(Besser) 1369-L
(Maselli) 1370-L
Orofacial dyskinesia (Topka) 1016
Oxidative potential (Graham) 27

P

Palmar nerve (Peterson) 1183-A
Paralysis syndrome (Yee) 1206-A
Paramyotonia congenita (Jackson) 1207-A
Paraprotein (Waterston) 445
Parkinson's disease (Fuhr) 733
Patch-clamp (Viglione) 1325
Peak-ratio
(Liguori) 1314
(Liguori) 1319
Pediatric median mononeuropathies (Deymeer) 1176-A
Peptide synthetic (Matsuo) 282
Perineurioma (Mitsumoto) 1364
Perineuritis (Simmons) 630
Periodic paralysis (Jackson) 1069
Perioral reflexes (Topka) 1016
Peripheral nerve disease (McLeod) 3
Peripheral nerve
(Leis) 1345
(Shefner) 1265
Peripheral nerve surgery (Campbell) 1050
Peripheral nerves
(Alderson) 1284
(Fisher) 1223
Peripheral neuropathy (Neufeld) 1234
Peroneal nerve (Posas) 745-L
Persistence (Fraser) 912
Phenytoin (Beech) 932
Phosphofructokinase (Amit) 455
Phrenic nerve
(Carter) 459
(Veitch) 1174-A
Phrenic nerve conduction (Swenson) 597
Phrenic neuropathy (Robinson) 1173-A
Physiological adaption (Lexell) 404
Piano-player's cramp (Hallett) 1378
Planar pointing movements (Hening) 1172-A
Plantar neuropathy (Hah) 1175-A
Plasma exchange (Simmons) 630
Plasmapheresis (Rudnicki) 57
Podophyllin ingestion (Chang) 513-L
Poliomyelitis (Maselli) 648
Polyglucosan body disease
(Cafferty) 519-L
(Onar) 519-L
Polymerase chain reaction (Prior) 960
Polymyositis (Higuchi) 43
Polyneuropathy
(Ando) 507
(Donofrio) 796
(Fraser) 912
(Gantayat) 168
(Krendel) 743-L
(Logigian) 1181-A
(Olney) 1195-A
(Redmond) 1334
Positive sharp waves (Nandedkar) 1191-A
Postnatal development (Reggiani) 199
Posttraumatic syringomyelia (Little) 755
Power modulation (Yaar) 410
Power spectrum (Yaar) 780
Preclinical diagnosis (ter Bruggen) 358
Preterminal nicotinic receptors (Besser) 1072
Primary afferent depolarization (Shefner) 1354
Primary lateral sclerosis (Brown) 626
Prions (Neufeld) 1234
Pronator quadratus (Wertsch) 977
Protease (Mantle) 471
Proteasome (Beyette) 1023
Protein kinase C (Nakano) 496
Protein (Mantle) 471
Proteolysis (Massa) 1290
Pterygoid reflex (Hopf) 1278
Pulmonary function (Carter) 459
Pyramidal tract degeneration (Streib) 1199-A

Q

Quadriplegia (Bird) 1208-A
Quantitative electromyography
(Engstrom) 277
(Spitzer) 682
Quantitative EMG
(Bauermeister) 1081
(Gan) 1085
(Liguori) 1314
Quantitative sensory testing (QST) (Kahn) 1155

R

Radial nerve (Watson) 768
Rat muscle (Wu) 1258
Rat soleus muscle (Massa) 1290
Reciprocal inhibition (Hallett) 1378
Recovery (Brownson) 694
Recruitment order (Kakuda) 332
Rectangular/ramp stimulation (Krarup) 813
Recurrent discharges (Shefner) 1354
Reference values (Gilchrist) 151
Reflex responses (Valls-Sole) 37
Reinnervation
(Dieler) 433
(Massa) 1290
(Venema) 725
Renal failure (Angus-Leppan) 288
Repetitive nerve stimulation (Thompson) 94
Reproducibility (Hoeldtke) 926
Respiration (Bolton) 678
Respiratory function (Shapiro) 604
Restriction fragment length polymorphism (Degli-Esposti) 543
Rheumatoid arthritis (Dominkus) 1300-L
Rotator cuff tear (Kumar) 1183-A

S

S1 radiculopathy (Krendel) 517-L
Sample size (Engstrom) 277
Sarcoidosis (Krendel) 743-L
Satellite cell (Shrager) 1133
Satellite cells (Maltin) 919
Scanning electron microscopy (Dieler) 433
Scanning EMG
(Gootzen) 349
(Nix) 193
Schwannopathy (Santoro) 788
Sciatic mononeuropathy (Gille) 1184-A
Scoliosis
(Bridges) 172
(Shapiro) 604
Sensory action potential
(Shefner) 1354
(Shefner) 73
Sensory nerve action potential (Imaoka) 318
Sensory nerve (Chaudhry) 687
Sensory neuropathy
(Leis) 1179-A, 1345
Sensory perineuritis (Shields) 1180-A
Sensory testing (Redmond) 1334
SEPs (Nogués) 993
Serum albumin (St. Clair) 774
Severe acute Guillain–Barré syndrome (Yuki) 899
Sex (Trojaborg) 666
SFEMG (Gantayat) 168
Silent period (Leis) 1345
Single fiber electromyography (Gilchrist) 151
Single fiber EMG
(Bauermeister) 1081
(Gan) 1085
(Maselli) 648
(Rouseev) 399
(Swash) 396
(Trontelj) 449
Single-fiber electrode (Buchman) 615
Single-fiber electromyography
(Buchman) 615
Skeletal muscle
(Askmark) 643
(Beyette) 1023
(Elmquist) 876
(Harris) 518-L
(Hicks) 87
(Mechalchuk) 310
(Nakano) 496
(Sánchez-Mejorada) 716
(Sawchak) 1349
(Wakayama) 519-L
Skeletal muscle damage (Kennedy) 1373-L
Skeletal muscle development (Dangain) 77
Skeletal muscles (Barnes) 969-L
Small fiber neuropathy (Stewart) 661
Smyotrophic lateral sclerosis (Brown) 626
SNAPs (Vodusek) 114-L
Sodium current (Viglione) 1325
Soleus H reflex (Aiello) 479
Soleus muscle (Sancesario) 1002
Somatosensory evoked potential
(Hashimoto) 106
(Snowden) 1036
Spasmodic dysphonia

(Harmon) 1178-A
(Topka) 1016
Spastic hemiparesis (Walk) 1177-A
Spatial distribution (Venema) 725
Spatial summation (Abbruzzese) 21
Spinal accessory neuropathy (Ela) 1177-A
Spinal cord injury (Little) 755
Spinal cord (Shefner) 1354
Spinal nerve conduction (Guha) 1171-A
Spinal stenosis (Snowden) 1036
Spine fusion (Shapiro) 604
Spiral groove (Watson) 768
Sprouting (Bridges) 172
SSRs (Vodusek) 114-L
Stationary potentials
(Dumitru) 101
(Dumitru) 949
Stimulation (Brownson) 694
Stimulation single fiber electromyography (Triggs) 267
Stimulus delay (Krarup) 813
Stimulus-induced antidromic backfiring (Besser) 1072
Straited muscle (Beyette) 1023
Strength measurement (Huard) 550
Striated muscle (Moussavi) 384
Stroke (Pavot) 1191-A
Subcontracture potassium depolarization (Barnes) 969-L
Sudomotor (Low) 1340
Supraclavicular stimulation (Cros) 587
Sural nerve conduction (Trojaborg) 666
Sural nerve (Horowitz) 374
Surface EMG (Howard) 1240
Sweat testing (Stewart) 661
Synaptic delay (Soliven) 656
Synaptic transmission (Abbruzzese) 21
Synaptic vesicle markers (Li) 984
Synchronization (Bigland-Ritchie) 130
Syringomyelia (Nogués) 993

T

Tarsal tunnel syndrome (Wilbourn) 1175-A
Tax (Higuchi) 43
Temperature sensitivity (Yang) 941
Temperature (Trojaborg) 666
Tenascin (Hurme) 482
Tetanus
(Quinlan) 837
(Rich) 1177-A
Thenar motor units (Doherty) 1191-A
Thick myofilaments (Massa) 1290
Thoracic outlet syndrome (Hughes) 1199-A
Thyrotoxicosis (Jackson) 1069
Tibialis anterior (Bigland-Ritchie) 130
Time intervals between turns
(Liguori) 1314
(Liguori) 1319
Tomaculous neuropathy (Costigan) 1180-A
Tonic labyrinth reflex (Aiello) 479
Toothpick (Kao) 1213-L
Training
(Hicks) 87
(Leivseth) 843
Transcranial magnetic stimulation (Schmid) 829
Transgenicmice (Higuchi) 43
Trichloroethylene (Feldman) 490
Trigeminal mesencephalic nucleus (Hopf) 1278
Trigeminal nerve (Feldman) 490
Trigeminal neuralgia (Soso) 1184-A
Trigemino-facial reflexes (Topka) 1016
Trophic influence (Sánchez-Mejorada) 716
Turns-amplitude analysis
(Liguori) 1314
(Liguori) 1319
Twitch force (Dengler) 1138
Twitch (Quinlan) 837
Twitch tension (Barnes) 969-L

U

Ulnar nerve
(Amoiridis) 576
(Campbell) 1050
Ulnar nerve lesions (Chandan) 1194-A
Ulnar nerve motor conduction (Patel) 1187-A
Ulnar neuropathy
(Raynor) 1186-A
(Watson) 701
Uremic neuropathy (Angus-Leppan) 288
Uric acid (Puig) 822

V

Vasculitic neuropathy (Chaudhry) 1181-A
Vasculitis
(Olney) 531
(Thomas) 891
Vasoconstriction (Ando) 507
Ventilator dependency (Spitzer) 682
Verapamil (Swash) 396
Vimentin
(Bornemann) 14
(Misra) 1246
Virtual dipoles
(Dumitru) 101
(Dumitru) 949
Volume conductor (Hashimoto) 106

W

Wallerian degeneration (Chaudhry) 687
Weakness (Rice) 1123
Western blot (Viglione) 1325
Wooden toothpicks (Kao) 1213-L

X

X chromosome (Ionasescu) 368
Xanthine (Puig) 822
X-ray elemental analysis (Pamphlett) 620

Z

Zidovudine (Herzberg) 706

AUTHOR INDEX TO VOLUME 15

This index lists, in alphabetical order, the names of authors of all articles, abstracts, book reviews, and letters. Full citation is provided under the first author only, with reference made from joint authors. Abstracts, book reviews, and letters are distinguished from articles by the following code: A = abstract, B = book review, and L = letter.

A

Abarbanel JM, see Amit R
Abbruzzese M, Reni L, Favale E: Interindividual variability of central delay changes in the soleus H reflex pathway, 21
Adelman LS, see Logigian EL
see Preston DC
Afifi AK, see Ross MA
Ahlskog JE, see Strommen J
Ahmed I, see Kamar P
Aiello I, Rosate G, Sau GF, Cacciotto R, Lentinu ME, Tidore B, Traccis S: Modulation of soleus H reflex by lateral tilting in man, 479
Akiguchi I, see Nakano S
Albano A, see Goldberg G
Albers JW, see Simmons Z
see Stetson DS
Albert N, see Huard J
Albrecht G, see Dominkus M
Alderson K: Axonal swellings in human intramuscular nerves, 1284
Al-Hakim MM, Katirji MB: Femoral mononeuropathy induced by the lithotomy position, 1183-A
Allen SM, see Walk D
Alonso-DEFlorida F, see Sánchez-Mejorada G
American Association of Electrodiagnostic Medicine: Guidelines in electrodiagnostic medicine, 229
Aminoff MJ, see Yoshimura DM
Amit R, Bashan N, Abarbanel JM, Shapira Y, Sofer S, Moses S: Fatal familial infantile glycogen storage disease: multisystem phosphofructokinase deficiency, 455
Amoiridis G: Median–ulnar nerve communications and anomalous innervation of the intrinsic hand muscles: an electrophysiological study, 576
Andary MT, Fankhauser MJ, Spiegel N, Zaneteas P, Ritson JL, Hulce VD, Yosef M, Mein EA, Stanton DF: Comparison of four techniques in the diagnosis of mild carpal tunnel syndrome, 1174-A
Andersen BB, see Trojaborg WT
Ando Y, Araki S, Shimoda O, Kano T: Role of autonomic nerve functions in patients with familial amyloidotic polyneuropathy as analyzed by laser Doppler flowmetry, capsule hydrograph, and cardiographic R-R interval, 507
Angus-Leppan H, Burke D: The function of large and small nerve fibers in renal failure, 288
Anselmi G, see Crisafulli CM
Anzil AP, see Sancesario G
Araki S, see Ando Y
Arenas J, Huertas RA, Campos Y, Cabello A, Gutierrez E, Bautista J, Segura D: Oculopharyngeal muscular dystrophy and mitochondrial abnormalities, 1055-L
Arvidson B: Inorganic mercury is transported from muscular nerve terminals to spinal and brainstem motoneurons, 1089
Ashby P, see Rouseev R
Askmark H, Wistrand PJ: Leakage of carbonic anhydrase III from normal and denervated rat skeletal muscle following contractile activity, 643
Atkinson P, see Hughes R
Awerbuch G, see Spitzer AR

B

Bach JR, see Lee HJ
Badenhorst ME, see Isaacs H
Baillie AGS, see Maltin CA
Baillie HS, see Wigmore PM
Ballard EM: Review of *Care of the Low Back: A Patient Guide*, 858-B
Bao S, King NJC, dos Remedios CG: Flavivirus induces MHC antigen on human myoblasts: a model of autoimmune myositis?, 1271
Baran EM, Stagliano N, Hunter J, Whitenack S, Jaeger S, Kresch E: Sensory conduction abnormalities in brachial plexus lesions, 1186-A
Barbieri F, see Santoro L
Barbiroli B, Funicello R, Ferlini A, Montagna P, Zaniol P: Muscle energy metabolism in female DMD/BMD carriers: A ^{31}P-MR spectroscopy study, 344
Barkhaus PE, Nandedkar SD: A phase interaction model for motor unit estimates, 1190-A
Barnes WS, Hasson SM: Twitch tension and mechanical delay latency in isolated skeletal muscle: effects of subcontracture potassium depolarization, 969-L
Barohn RA, see Thompson, PA
Barohn RJ, Kissel JT: Case-of-the-month: painful thigh mass in a young woman: diabetic muscle infarction, 850
Barohn RJ, see Jackson CE
see Ridings LW
Barry DT, Hill T, Im D: Muscle fatigue measured with evoked muscle vibrations, 303
Bashan N, see Amit R
Basinski A, see Rouseev R
Bastiaensen LAK, see ter Bruggen JP
Battaglia F, see Santoro L
Bauermeister W, Jabre JF: The spectrum of concentric macro EMG correlations. Part I. Normal subjects, 1081
Bautista J, see Arenas J
Beddoes MP, see Xiang Y
Beech J, Fletcher JE, Tripolitis L, Lindborg S: Effects of phenytoin in two myotonic horses with hyperkalemic periodic paralysis, 932
Bein G, see Vieregge P
Bélec L, Mhiri C, Di Costanzo B, Gherardi R: The HIV wasting syndrome, 856-L
Beric A, see Triggs WJ
Bernardi G, see Sancesario G
Besser R, Vogt T, Gutmann L, Hopf HC, Wessler I: Impaired neuromuscular transmission during partial inhibition of

acetylcholinesterase: the role of stimulus-induced antidromic backfiring in the generation of the decrement–increment phenomenon, 1072
Besser R, Wessler I, Gutmann L: Analysis of the organophosphate-induced electromyographic response to repetitive nerve stimulation: two types of end-plate depolarization account for the two most common patterns of decrement, 1369-L
Bevan L, see Enoka RM
Beyette JR, Mykles DL: Immunocytochemical localization of the multicatalytic proteinase (proteasome) in crustacean striated muscles, 1023
Bigland-Ritchie B, see Rice CL
Bigland-Ritchie BR, Furbush FH, Gandevia SC, Thomas CK: Voluntary discharge frequencies of human motoneurons at different muscle lengths, 130
Bigos SJ, see Snowden ML
Bilbao J, see Chu JY
Binder H, see Cotliar R
Bird SJ: Inclusion biopsy myositis: diagnostic value of repeat biopsy, 1206-A
Bird SJ, Mackin GA, Schotland DL, Raps EC: Acute myopathic quadriplegia: a unique syndrome associated with vecuronium and steroid treatment, 1208-A
Bjordal E, see Leivseth G
Blatt I, see Pauzner R
Blau HM, Pavlath GK, Gussoni E, Steinman L, Miller RG, Sharma K: Myoblast transfer in DMD: problems in the interpretation of efficiency: a reply, 1209-L
Bless DM, see Harmon RL
Bodine-Fowler S, see Graham SC
Bolhuis P, see Herzberg NH
Bolton CF, Grand'Maison F, Parkes A, Shkrum M: Needle electromyography of the diaphragm, 678
Bonekat HW, see Carter GT
Bornemann A, Schmalbruch H: Desmin and vimentin in regenerating muscles, 14
Bouchard JP, see Huard J
Bour LJ, see Hoogendijk JE
Bowles A, see Spitzer AR
Braddom RL: 1991 Presidential Address, 118
Braddom RL, see Goldberg G
Bradley RJ, see Oh SJ
Bradley WG, see Mitsumoto H
Bradshaw DY, Jones HR: Guillain–Barré syndrome in children: clinical course, electrodiagnosis, and prognosis, 500
Braun TG, see Howard JF
Bredesen DE, see Yang J
Bressler BH, see Mechalchuk CL
Bridges LR, Coulton GR, Howard G, Moss J, Mason RM: The neuromuscular basis of hereditary kyphoscoliosis in the mouse, 172
Brocks L, see Reggiani C
Bromberg J, see Bromberg MB
Bromberg MB, Bromberg J, Jaros LA: Symmetry of normal motor nerve conduction measurements, 1185-A
Bromberg MB, Fries TJ: Relationships between changes in strength and electromyographic measures in amyotrophic lateral sclerosis patients over a six-month interval, 1189-A
Bronstein A, see Moo JB
Bronstein AD, see Snowden ML
Brooke MH, see Pestronk PA
Brown MM,see Waterston JA
Brown WF, Ebers GC, Hudson AJ, Pringle CE, Veitch J: Motor-evoked responses in primary lateral; sclerosis, 626
Brown WF, see Doherty TJ
see Komori T
see Stashuk D
see Stashuk DW
see Veitch JE
see Watson BV
Brownson C, Little P, Jarvis JC, Salmons S: Reciprocal changes in myosin isoform mRNAs of rabbit skeletal muscle in response to the initiation and cessation of chronic electrical stimulation, 694
Brunner HG, see ter Bruggen JP
Buchman A, Garratt M: Determining neuromuscular jitter using a monopolar electrode, 615
Buchman AS, Comella CL, Stebbins GT, Goetz CG: Quantitative electromyographic assessment of the effect of geste antagoniste in cervical dystonia, 1173-A
Buchthal F, see Miller RG
see Shefner JM
Burger R, see Guha C
Burke D, see Angus-Leppan H
Burnett ME, see Maselli RA
Burton SR, see Feasby TE
Busis NA, Engel AG: Intermediate filament myopathy: neurophysiologic findings, 1203-A
Butler IJ, see Triggs WJ
Butterworth J, see Scott GE
see Thompson B

C

Cabello A, see Arenas J
Cacciotto R, see Aiello I
Cafferty MS, Lovelace RE, Hays AB, Surides S, Di Mauro S, Rowland LP: Polyglucosan body disease: a reply, 519-L
Campbell WW, Pridgeon RM, Sahni KS: Short segment incremental studies in the evaluation of ulnar neuropathy at the elbow, 1050
Campos Y, see Arenas J
Cardinet GH, see Gronert GA
Carpenter S, see Massa R
Carter GT, Kilmer DD, Bonekat, HW, Lieberman JS, Fowler WM: Evaluation of phrenic nerve and pulmonary function in hereditary motor and sensory neuropathy, type I, 459
Carter JL, see Shefner JM
Caruso G, see Santoro L
Caselli RJ: Review of *Principles of Geriatric Neurology*, 1216-B
Cashman NR, see Maselli RA
Catalano P, see Yagnik PM
Chandan S, Goodman BS: Localization of ulnar nerve lesions at the elbow by short segment latency comparison, 1194-A
Chang M, Lin K, Wu Z, Liao K: Acute ataxic sensory neuronopathy resulting from podophyllin intoxication, 513-L
Charron D, see Cifuentes-Diaz C
Chaudhry V, Cornblath DR: Wallerian degeneration in human nerves: serial electrophysiological studies, 687
Chaudhry V, Corse AM, Reich SG: Sensory conduction block in ataxic form of Guillain–Barré syndrome, 1180-A
Chaudhry V, Griffin JW: Demyelination and conduction block in vasculitic neuropathy, 1181-A
Cherington M, Yarnell P, Lammereste D: Severe, immediate electrical neurologic injuries secondary to exposure to high-voltage electricity, 1196-A
Cheshire WP, see Howard JF
Chiappa KH, see Chong PST
see Clouston PD
see Kiers L
see Triggs WJ
Chokroverty S, see Guha C
Chong PST, Cros D, Chiappa KH: Cervical magnetic stimulation: site of stimulation, 1199-A
Chong PST, Cros D, Tsounis S, Fang J, Chiappa KH: Effect of drowsiness on the variability of motor evoked potentials, 1201-A
Chong PST, see Fang J
Chu J: Carpal tunnel syndrome in vehicular trauma compared with carpal tunnel syndrome without sudden trauma, 1175-A
Chu JY, Bilbao J: Leprous neuropathy: electrophysiologic and neuropathologic study, 1180-A
Cifuentes-Diaz C, Delaporte C, Dautréaux B, Charron D, Fardeau M: Class II MHC antigens in normal human skeletal muscle, 295
Clausen T, see Leivseth G
Claussen GC, Fesenmeier JT, Hah JS, Pearlman RL, Oh SJ: Accessory nerve repetitive stimulation test in the evaluation of myasthenia gravis, 1189-A
Clawson DR: Dorsal nerve of the penis nerve conduction velocity: a new technique: a reply, 515-L
Clawson L, see Cornblath DR
Clouston PD, Cros D, Chiappa KH, Kiers L, Fang J, Gilliam F: Studies on the variability of motor evoked potentials produced by magnetic cortical stimulation: intralimb-intermuscle relationships, 1172-A
Clouston PD, see Kiers L
Coates P, see Hughes R
Cohen C, see Robinson LR
Colan S, see Shapiro F

Comella CL, see Buchman AS
Conwit RA, Hegde SK, Rose S, Wald A, Giuliani MJ, Tall M: Electrodiagnostic and manometric evaluation of anal sphincter, 1201-A
Cornblath DR, Kuncl RW, Mellits D, Quaskey SA, Clawson L, Pestronk A, Drachman DB: Nerve conduction studies in amyotrophic lateral sclerosis, 1111
Cornblath DR, see Chaudhry V
Corse AM, see Chaudhry V
Costigan DA: Inherited tendency to pressure palsy (tomaculous neuropathy): association with cramping and diagnostic considerations, 1180-A
Costigan DA, see Krendel DA
see Pilch JF
Cotliar R, Eng GD, Koch B, Binder H, Joshi B: Correlation of electrodiagnosis and muscle biopsy results, 1197-A
Coulton GR, see Bridges LR
Creutz CE, see Viglione MP
Crisafulli CM, Saadeh P, Anselmi G, Wolf E: Bilateral phrenic nerve paralysis in malignant thymoma and myasthenia gravis: a case report, 1203-A
Crispi F, see Santoro L
Cros D, Gominak S, Shahani B, Fang J, Day B: Comparison of electric and magnetic coil stimulation in the supraclavicular region, 587
Cros D, see Chong PST
see Clouston PD
see Fang J
see Kiers L
see Macdonell RAL
see Rich JM
see Triggs WJ
Culver JE, see Mitsumoto H
Cupido CM, see Hicks AL

D

Dahl K, see Krarup C
see Liguori R
Dahlström AB, see Li J-Y
Dalakas M, see Luciano CA
Dalkara T, see Topaktas S
Dallas PB, see Delgi-Esposti MA
Dangain J, Neering IR: Effect of low Ca^{2+} solution on muscle contraction of developing, preclinical dystrophic (DY^{2J}) mice, 77
Dannon NJ, see James GL
Danon MJ, see Litchy WJ
Dansereau G, see Huard J
Dautréaux B, see Cifuentes-Diaz C
David WS, Jones Jr HR: Soft tissue sarcoma presenting as atypical extremity pain, 1196-A
Davis KM, see Hoeldtke RD
Dawkins RL, see Delgi-Esposti MA
Dawson DM, see Shefner JM
Day B, see Cros D
D'Cruz OF, see Jaradeh SS
DE Miguel E, see Puig JG
de Visser M, de Voogt WG, la Riviere JV: The heart in Becker muscular dystrophy, facioscapulohumeral dystrophy, and Bethlem myopathy, 591
de Visser, see Hoogendijk JE
de Voogt WG, see de Visser M
Degli-Esposti MA, Dallas PB, Dawkins RL: Neuromuscular function and polymorphism of the acetylcholine receptor gamma gene, 543
Del Toro DR, Park TA, Mandel JD, Wertsch JJ: Development of a nerve conduction study technique for the medial calcaneal nerve, 1194-A
Del Toro DR, see Mandel JD
see Park TA
Delapasse JS, see Kofler M
see Leis AA
Delaporte C, see Cifuentes-Diaz C
Delbecq, J, see Gille M
Delday MI, see Maltin CA
see Mantle D
DeLisa JA, see Lee HJ
Dengler R, Kossev A, Wohlfahrt K, Schubert M, Elek J, Wolf W: F waves and motor unit size, 1138
Dent J, see Hicks AL
Depre A, see Gille M
Deutsch A, see Guha C
DeVita MA, see Robinson LR
Deymeer F, Jones Jr HR: Pediatric median mononeuropathies, 1176-A
Di Costanzo B, see Bélec L
Dieler R, Völker A, Schröder JM: Scanning electron microscopic study of denervated and reinnervated intrafusal muscle fibers in rats, 433
Di Mauro S, see Cafferty MS
DiMarco AF, see Lin VWH
Ding X-S, see Thomas FP
Doherty TJ, see Stashuk D
Doherty TJ, Watson BV, Brown WF: Conduction velocities and residual latencies in single median motor fibers, 1193-A
Doherty TJ, Watson BV, Brown WF: The estimated numbers, relative sizes and latencies of thenar motor units as selected by multiple point stimulation, 1191-A
Dominkus M, Griswold W, Albrecht G: Stimulation single fiber EMG study in patients receiving a long-term D-penicillamine treatment for rheumatoid arthritis, 1300-L
Donofrio PD, Stanton C, Miller VS, Oestreich L, Lefkowitz DS, Walker FO, Ely EW: Demyelinating polyneuropathy in eosinophilia-myalgia syndrome, 796
Donovan MK, see Rogers OL
see Howard JF
dos Remedios CG, see Bao S
Dosremedios E, see Gilchrist JM
Dotson RM, see Lobeck LJ
Drachman DB, see Cornblath DR
Dumitru D, King JC: Far-field potentials in circular volumes: evidence to support the leading/trailing dipole model, 101
Dumitru D, King JC: Far-field potentials in circular volumes: the effect of different volume sizes and intercompartmental openings, 949
Dupont-Versteegden EE, McCarter RJ: Differential expression of muscular dystrophy in diaphragm versus hindlimb muscles of mdx mice, 1105
Dworkin GE, see Hoeldtke RD
Dwyer D, see Oh SJ

E

Ebers GC, see Brown WF
Edgerton VR, see Graham SC
Efferson-Bonachea N, see Logigian EL
Eisen A, Kim S, Pant B: Amyotrophic lateral sclerosis (ALS): a phylogenetic disease of the corticomotoneuron?, 219
Eisen A, see Xiang Y
Eisen AA, see Pant B
see Stewart H
Eisen AA, Stewart H, Pant B, Schulzer M: Cortical excitability in amyotrophic lateral sclerosis: a magnetic stimulation study, 1173-A
Ela TW, Litchy WJ: Spinal accessory neuropathy: heterogeneous etiologies and presentations, 1177-A
Elder GCB: Beneficial effects of training on developing dystrophic muscle, 677
Elek J, see Dengler R
Ellis RJ, Geisse H, Holub BA, Swenson MR: Ilioinguinal nerve conduction, 1194-A
Ellis WG, see Gronert GA
Ellrich J, see Hopf HC
Elmquist S, Libelius R, Lawoko G, Tågerud S: Dextrans as markers for endocytosis in innervated and denervated skeletal muscle, 876
Ely EW, see Donofrio PD
Eng GD, see Cotliar R
Engel AG, see Busis NA
see Litchy WJ
Engstrom JW, Olney RK: Acute autonomic and sensory neuropathy, 1181-A
Engstrom JW, Olney RK: Quantitave motor unit analysis: the effect of sample size, 277
Engstrom JW, see Schleimer JA
Enoka RM, Trayanova N, Laouris Y, Bevan L, Reinking RM, Stuart DG: Fatigue-related changes in motor unit action potentials of adult cats, 138
Espinosa A, see Puig JG
Estes M, see Shields Jr RW
Estes ML, see Mitsumoto H
Everts ME, see Leivseth G
Everts ME, Ørding H, Hansen O, Nielsen PA: Ca^{2+}–ATPase and Na^{+}-K^{+}–ATPase content in skeletal muscle from malignant hyperthermia patients, 162

F

Fagiolari G, see Moggio M
Falco FJE, see Goldberg G
Fang J, Chong PST, Cros D, Triggs WJ, Tsounis S: Twitch amplitude

measurement in longitudinal assessment of muscle strength: a method applicable to patients with peripheral nerve and muscle disease, 1195-A
Fang J, see Chong PST
see Clouston PD
see Cros D
see Kiers L
Fankhauser MJ, see Andary MT
Fardeau M, see Cifuentes-Diaz C
Farfel Z, see Pauzner R
Favale E, see Abbruzzese M
Fealey RD, see Stewart JD
Feasby TE, Burton SR, Hahn AF: Obstetrical lumbosacral plexus injury, 937
Feingold M, see Redmond JMT
Feldman RG, Niles C, Proctor SP, Jabre J: Blink reflex measurement of effects of trichloroethylene exposure on the trigeminal nerve, 490
Ferlini A, see Barbiroli B
Fesenmeier JT, see Claussen GC
see Head TC
see James GL
Fincham R: Review of *Principals of Drug Therapy in Neurology*, 858-B
Fisher MA: AAEM minimonograph #13: H reflexes and F waves: physiology and clinical indications, 1223
Fisher MA: Surface recorded EMG: observations on normal parameters and possible clinical utility, 1201-A
Fletcher JE, see Beech J
Ford CN, see Harmon RL
see Rodriquez AA
Forman AD, Shin DM, Jackson R: Myotonia in patients treated for cancer with didemnin B, 515-L
Fowler W, see Gronert GA
Fowler WM, see Carter GT
Fraser JL, Olney RK: The relative diagnostic sensitivity of different F-wave parameters in various polyneuropathies, 912
Friedman M, see Litchy WJ
Fries TJ, see Bromberg MB
Fuglsang-Frederiksen A, see Liguori R
Fuhr P, Zeffiro T, Hallett M: Cutaneous reflexes in Parkinson's disease, 733
Fujimoto S, see Yuki N
Fukunaga H, see Higuchi I
Funicello R, see Barbiroli B
Furbush FK, see Bigland-Ritchie BR

G

Gallanti A, see Moggio M
Gan R, Jabre JF: The spectrum of concentric macro EMG correlations. Part II. Patients with diseases of muscle and nerve, 1085
Gandevia SC, see Bigland-Ritchie BR
Gantayat M, Swash M, Schwartz MS: Fiber density in acute and chronic inflammatory demyelinating polyneuropathy, 168
Gao L, Kennedy JM: Repression of the embryonic myosin heavy chain phenotype in regenerating chicken slow muscle is dependent on innervation, 419
Garratt M, see Buchman A
Gaspar SR, see Hoeldtke RD
Geisse H, see Ellis RJ
Gemperline JJ, see Walk D
Gherardi R, see Bélec L
Giampolo AJ, Giuliani MJ: Late-onset cramps after thyroid supplementation in hypothyroid myopathy, 1207-A
Giancarlo T, see Spitzer AR
Gijón J, see Puig JG
Gilchrist JM, Dosremedios E, Johnson G, Tornabene J: Technical artifact simulating "motor axonopathy", 442
Gilchrist JM: Single fiber EMG reference values: a collaborative effort, 151
Gille M, Van Den Bergh P, Delbecq J, Kiame G, Depre A: Painful sciatic mononeuropathy due to heroin addiction, 1184-A
Gilliam F, see Clouston PD
see Kiers L
Giuliani MJ, see Conwit RA
see Giampolo AJ
see Peterson AR
see Soso MJ
Goetz CG, see Buchman AS
Golbus J, see Tanhehco JL
Gold R, Kress W, Meurers B, Meng G, Reichmann H, Müller CR: Brief communication: becker muscular dystrophy: detection of unusual disease courses by combined approach to dystrophin analysis, 214
Goldberg G, Albano A: Geometric characterization of electromyographic signal dynamics, 1192-A
Goldberg G, Hennessey WJ, Falco FJE, Braddom RL: Within-hand comparison of distal latencies in the elderly, 1185-A
Goldberg J, see Guha C
Gominak S, see Cros D
Gonzalez A, see Guha C
Goodkin R, see Moo JB
Goodman BS, see Chandan S
Gootzen TH, Vingerhoets DJ, Stegeman DF: A study of motor unit structure by means of scanning EMG, 349
Gordon J, see Hening WA
Gordon MJV, see Herskovitz S
Goto Y, see Matsuoka T
Goto Y-I, see Wu C-M
Gottleib AJ, see Krendel DA
Graham SC, Roy RR, Navarro C, Jiang B, Pierotti D, Bodine-Fowler S, Edgerton VR: Enzyme and size profiles in chronically inactive cat soleus muscle fibers, 27
Grana EA, Kraft GH: Distribution of electromyographic findings in patients with cervical radiculopathy, 1203-A
Grana EA, Kraft GH: Lumbosacral radiculopathies: distribution of electromyographic findings, 1204-A
Grand'Maison F, see Bolton CF
Greco P, see Santoro L
Griffin JW, see Chaudhry V
Griswold W, see Dominkus M
Grix A, see Gronert GA
Grobler LJ, see Haig AJ
Gronert GA, Fowler W, Cardinet III GH, Grix A, Ellis WG, Schwartz MZ: Absence of malignant hyperthermia contractures in Becker–Duchenne dystrophy at age 2, 52
Gross PT, Jones HR Jr: Proximal median neuropathies: electromyographic and clinical correlation, 390
Grounds MD, McGeachie JK: Skeletal muscle regeneration after crush injury in dystrophic mdx mice: an autroadiographic study, 580
Guha C, Gonzalez A, Kwan P, Burger R, Goldberg J, Deutsch A, Chokroverty S: The thoracic spinal nerve conduction: a magnetic stimulation study, 1171-A
Gussoni E, see Blau HM
Gutierrez A, see Weidman D
Gutierrez E, see Arenas J
Gutmann L, see Besser R
see Weidman D

H

Haberkamp TJ, see Jaradeh SS
Hah JS, Kim DE, Oh SJ: Lateral plantar neuropathy: a heretofore unrecognized neuropathy, 1175-A
Hah JS, see Claussen GC
Hahn AF, see Feasby TE
Haig AJ, Talley C, Grobler LJ: Paraspinal mapping: quantified needle electromyography in lumbar radiculopathy, 1193-A
Haines JL, see Ionasescu VV
Halar EM, see Odderson IR
Haldeman S, see Zhu Y
Hall CD, see Rogers OL
Hall S, see Hughes R
Hallett M: 1992 Presidential Address, 1378
Hallett M, see Fuhr P
see Lou J-S
see Topka H
see Valls-Sole J
Ham RG, see St. Clair JA
Hamjian JA, Walker FO: The quantitative neurophysiology of intramuscular botulinum toxin, 1189-A
Hansen O, see Everts ME
Harmon RL, Rodriquez AA, Bless DM, Ford CN: A comparison of electromyographic assessment to voice control parameters in spasmodic dysphonia patients, 1178-A
Harmon RL, Rodriquez AA: Motor unit potential parameter comparisons of close-proximity concentric and modified single fiber electromyographic recordings from extensor digitorum communis, 1205-A
Harmon RL, see Rodriquez AA
Harris JB: Dystrophin is localized to the plasma membrane of human skeletal muscle fibers by electron-microscopic cytochemical study, 518-L
Hasegawa H, see Matsuoka T
Haselkorn JK, see Snowden ML
Hashimoto S, Kawamura J, Segawa Y, Yamamoto T, Nakamura M: Possible model for generation of P9 far-field potentials, 106

Hassan NF, see Maccabee PJ
Hasson SM, see Barnes WS
Hattler B, see Robinson LR
Hay SM, see Maltin CA
Hays AB, see Cafferty MS
Hays AP, see Thomas FP
Head TC, Fesenmeier JT, Pearlman RL, Oh SJ: Repetitive nerve stimulation test of the peroneal nerve in the diagnosis of myasthenia gravis and Lambert–Eaton myasthenic syndrome, 1190-A
Hedaya EV, see Krendel DA
Hegde SK, see Conwit RA
Hegde SK, see Peterson AR
Heise CW, Rubin M: Proximal neuropathy in Colles' fracture, 1182-A
Hening WA, Gordon J, Rolleri M: The influence of knowledge of results on movement trajectories, reaction time and accuracy of planar pointing movements, 1172-A
Hennessey WJ, see Goldberg G
Herbaut AG, Nogueira MC, Panzer JM, Zegers de Beyl D: Anorectal incontinence in myotonic dystrophy: a myopathic involvement of pelvic floor muscles, 1210-L
Herskovitz S, Strauch B, Gordon MJV: Shiatsu massage-induced injury of the median recurrent motor branch, 1215-L
Herzberg NH, Zorn I, Zwart R, Portegies P, Bolhuis PA: Major growth reduction and minor decrease in mitochondrial enzyme activity in cultured human muscle cells after exposure to zidovudine, 706
Hesselmans LFGM, see Jennekens FGI
Hicks AL, Cupido CM, Martin J, Dent J: Muscle excitation in elderly adults: the effects of training, 87
Higuchi I, Nerenberg M, Yoshimine K, Yoshida M, Fukunaga H, Tajima K, Osame, M: Failure to detect HTLV-I by in situ hybridization in the biopsied muscles of viral carriers with polymyositis, 43
Hill T, see Barry DT
Hirashima F, see Yokota T
Hirose K, see Yokota T
Ho SL, Shah M, Williams AC: Idiopathic thrombocytopenic purpura and autoimmune thyroiditis in a patient with myasthenia gravis, 966-L
Hoeldtke RD, Davis KM, Hshieh PB, Gaspar SR, Dworkin GE: Autonomic surface potential analysis: assessment of reproducibility and sensitivity, 926
Holland P, see Karpati G
see Massa R
Holub BA, see Ellis RJ
Hömberg V, Reiners K, Toyka KV: Reversible conduction block in human ischemic neuropathy after ergotamine abuse, 467
Hoogendijk JE, de Visser M, Bour LJ, Jennekens FGI, Ongerboer BW: Conduction block in hereditary motor and sensory neuropathy type I, 520-L
Hopf HC, see Besser R
Hopf JC, Ellrich J, Hundemer H: The pterygoid reflex in man and its clinical application, 1278
Hopkins LC, see Krendel DA
Horowitz SH, Krarup C: Conduction studies of the normal sural nerve, 374
Horowitz SH, see Krarup C
Howard G, see Bridges LR
Howard JF, Weiss AS, Donovan MK, Cheshire WP, Braun TG: 3,4-diaminopyridine effects on compound muscle action potential amplitudes in a patient with botulism, 1202-A
Howard Jr JF, see Jaradeh SS
Howard RS, Murray NMF: Surface EMG in the recording of fasciculations, 1240
Hshieh PB, see Hoeldtke RD
Huard J, Bouchard JP, Roy R, Malouin F, Dansereau G, Labrecque C, Albert N, Richards CL, Lemieux B, Tremblay JP: Human myoblast transplantation: preliminary results of 4 cases, 550
Hudson AJ, see Brown WF
Huertas RA, see Arenas J
Hughes HF, Tahmoush AJ, Schwartzman RJ: Botulinum toxin in the treatment of posttraumatic thoracic outlet, 1199-A
Hughes R, Atkinson P, Coates P, Hall S, Leibowitz S: Sural nerve biopsies in Guillain–Barré syndrome: axonal degeneration and macrophage-associated demyelination and absence of cytomegalovirus genome, 568
Hundemer H, see Hopf HC
Hunter J, see Baran EM
Hurme T, Kalimo H: Adhesion in skeletal muscle during regeneration, 482
Hutton L, see Veitch JE

I

Ichihashi Y, see Yuki N
Ignacio D, see Pavot AP
Im D, see Barry DT
Imaoka H, Yorifuji S, Takahashi M, Nakamura Y, Kitaguchi M, Tarui S: Improved inching method for the diagnosis and prognosis of carpal tunnel syndrome, 318
Ingram DA, see Swash M
see Waterston JA
Inuzuka T, see Yuki N
Ionasescu R, see Ionasescu VV
Ionasescu VV: Review of *Muscular Dystrophy Research: From Molecular Diagnosis Toward Therapy*, 1060-B
Ionasescu VV, Trofatter J, Haines JL, Summers AM, Ionasescu R, Searby C: X-linked recessive Charcot-Marie-Tooth neuropathy: clinical and genetic study, 368
Isaacs H, Badenhorst ME: Dominantly inherited malignant hyperthermia (MH) in the King–Denborough syndrome, 740
Itoh T, see Yuki N

J

Jabre J, see Feldman RG
Jabre JF, see Bauermeister W
see Gan R
Jackson CE, Barohn RJ: Improvement of the exercise test after therapy in thyrotoxic periodic paralysis, 1069
Jackson CE, Barohn RJ: Paramyotonia congenita: abnormal short-exercise test following cooling in the absence of weakness, 1207-A
Jackson CE, see Ridings LW
Jackson D, see Thompson B
Jackson DA, see Miller TA
Jackson R, see Forman AD
Jacob E, see Pavot AP
Jaeger S, see Baran EM
James GL, Oh SJ, Fesenmeier JT, Thomas HF, Dannon NJ: Oculopharyngeal involvement in a myopathy with rimmed vacuoles: oculopharyngeal muscular dystrophy or inclusion body myositis, 1207-A
James R, see Thompson B
Jannetta PJ, see Soso MJ
Jansen ENH, see Jennekens FGI
Jaradeh SS, D'Cruz OF, Howard Jr JF, Haberkamp TJ, Konkol RJ: Möbius syndrome: electrophysiologic studies in six cases, 1175-A
Jaradeh SS, see Lobeck LJ
Jaros LA, see Bromberg MB
Jarvis JC, see Brownson C
Jennekens FGI, Hesselmans L FGM, Veldman H, Jansen ENH, Spaans F, Molenaar PC: Deficiency of acetylcholine receptors in a case of end-plate acetylcholinesterase deficiency: a histochemical investigation, 63
Jennekens FGI, see Hoogendijk JE
Jiang B, see Graham SC
Johnson G, see Gilchrist JM
Johnson SR, see Quinlan JG
Jones HR, see Bradshaw DY
Jones Jr HR, see David WS
see Deymeer F
see Gross PT
Joshi B, see Cotliar R
Josiphov J, see Neufeld MY
Joy SJ, see Oh SJ

K

Kahn R: Autonomic nervous system testing, 1158
Kahn R: Clinical measures, 1144
Kahn R: Electrodiagnostic measures, 1150
Kahn R: Morphological and biochemical measures, 1147
Kahn R: Proceedings of a consensus development conference on standardized measures in diabetic neuropathy, 1143
Kahn R: Quantitative sensory testing, 1155
Kahn R: Summary and recommendations, 1167
Kaiser KK, see Pestronk PA

Kakuda N, Nagaoka M, Tanaka R: Conduction velocities of α-motor fibers innervating human thenar muscles and order of recruitment upon voluntary contraction, 332
Kalimo H, see Hurme T
Kanda T, see Yokota T
Kano T, see Ando Y
Kao K-P: The really safe neurologist's pin—wooden toothpick, 1213-L
Karpati G, Holland P, Worton RG: Myoblast transfer in DMD: problems in the interpretation of efficiency, 1209-L
Karpati G, Kimura J: Amyotrophic lateral sclerosis: a critique of a hypothesis, 224
Karpati G, see Massa R
Katagiri T, see Yuki N
Katirji MB, see Al-Hakim MM
Kaufmann H, see Simpson DM
Kawamura J, see Hashimoto S
Kelly AM, see Shrager JB
Kelly Jr JJ, see Logigian EL
Kennedy JM: Effect of embryonic ethanol exposure on myosin expression in chicks, 1373-L
Kennedy JM, see Gao L
Khan M, see Wigmore PM
Khuraibet A, see Trontelj JV
Kiame G, see Gille M
Kiers L, Cros D, Chiappa KH, Fang J, Clouston PD, Gilliam F: Studies on the variability of motor evoked potentials produced by magnetic cortical stimulation: effect of stimulus intensity, coil size, mental alertness and prestimulus muscle contraction, 1172-A
Kiers L, see Clouston PD
Kiers L, see Triggs WJ
Kilmer DD, see Carter GT
Kim DE, see Hah JS
see Oh SJ
Kim S, see Eisen A
Kim YI, see Viglione MP
Kimura J, see Karpati G
see Nakano S
Kinder D, see Lobeck LJ
King JC, see Dumitru D
King NJC, see Bao S
Kinoshita A, see Yuki N
Kissel JT, see Barohn RJ
Kitaguchi M, see Imaoka H
Kliot M, see Moo JB
Knox S, see Luciano CA
Koch B, see Cotliar R
Kofler M, Leis AA, Delapasse JS: Effect of the inhibitory phenomenon following transcranial magnetic stimulation of cortex on the cortical control of brainstem reflexes, 1200-A
Kofler M, see Leis AA
Komori T, see Stashuk D
Komori T, Watson BV, Brown WF: Influence of peripheral afferents on cortical and spinal motoneuron excitability, 48
Konkol RJ, see Jaradeh SS
Korczyn AD, see Neufeld MY
Koski CL, see Rudnicki S
Kossev A, see Dengler R
Kraft GH, see Grana EA
see Moo JB
see Snowden ML
Krarup C, Horowitz SH, Dahl K: The influence of the stimulus of normal sural nerve conduction velocity: a study of the latency of activation, 813
Krarup C, see Horowitz SH
see Shefner JM
Krendel DA, Costigan DA, Hopkins LC: Clinical variability in McArdle disease, 1208-A
Krendel DA, Costigan DA: Polyneuritis with granulomatous features: possible restricted expression of sarcoidosis, 743-L
Krendel DA, Hedaya EV, Gottleib AJ: Calf enlargement, S1 radiculopathy, and focal myositis, 517-L
Krendel DA, see Pilch JF
Kresch E, see Baran EM
Kress W, see Gold R
Krolick KA, see Thompson, PA
Kumar P, Ahmed I: EMG in rotator cuff tear, 1183-A
Kuncl RW, see Cornblath DR
Kuruoglu HR, Oh SJ: Tendon-reflex testing in chronic demyelinating polyneuropathy, 1178-A
Kuruoglu R, see Oh SJ
Kwan P, see Guha C

L

la Riviere GV, see de Visser M
Labrecque C, see Huard J
Lammereste D, see Cherington M
Laouris Y, see Enoka RM
Latov N, see Thomas FP
Lawoko G, see Elmquist S
Lee HJ, Bach JR, DeLisa JA: Anodal block: recordable in conventional nerve conduction study?, 1185-A
Lefkowitz DS, see Donofrio PD
Lehman SL, see Moussavi RS
Leibowitz S, see Hughes R
Leis AA, Kofler M, Delapasse JS: Effect of the inhibitory phenomenon following transcranial magnetic stimulation of cortex on brainstem motor neuron excitability, 1202-A
Leis AA, Kofler M, Ross MA: The silent period in pure sensory neuronopathy, 1345
Leis AA, Kofler M, Ross MA: The silent period in pure sensory neuropathy, 1179-A
Leis AA, see Kofler M
Leivseth G, Clausen T, Everts ME, Bjordal E: Effects of reduced joint mobility and training on NA, K-Atpase and CA-Atpase in skeletal muscle, 843
Lemieux B, see Huard J
Lentinu ME, see Aiello I
Leung B, see Sawchak JA
Levin KH, see Maggiano H
Lexell J, Sjöström M, Nordlund A-S, Taylor CC: Growth and development of human muscle: a quantitative morphological study of whole vastus lateralis from childhood to adult age, 404
Lexell J, Taylor C: Twin peaks, or the histographic analysis revisited: a reply, 965-L
Li J-Y, Dahlström AB: Development of calcitonin-gene-related peptide, chromogranin A, and synaptic vesicle markers in rat motor endplates, studied using immunofluorescence and confocal laser scanning, 984
Liao K, see Chang M
Libelius R, see Elmquist S
Lichtin AE, see Shields Jr RW
Lieberman JS, see Carter GT
Liguori R, Dahl K, Fuglsang-Frederiksen A, Trojaborg W: Turns-amplitude analysis of the electromyographic recruitment pattern disregarding force measurement. II. Findings in patients with neuromuscular disorders, 1319
Liguori R, Dahl K, Fuglsang-Frederiksen A: Turns-amplitude analysis of the electromyographic recruitment pattern disregarding force measurement. I. Method and reference values in healthy subjects, 1314
Lin K, see Chang M
Lin VWH, Romaniuk JR, Supinski GS, DiMarco AF: Inspired volume production via direct intercostal muscle stimulation, 1196-A
Lindborg S, see Beech J
Litchy W J, Engel AG, Danon MJ, Friedman M: Inclusion body myositis with cricopharyngeus muscle involvement and severe dysphagia, 115-L
Litchy WJ, see Ela TW
see Strommen J
Little JW, Robinson LR: AAEM case report #24: electrodiagnosis in postraumatic syringomyelia, 755
Little P, see Brownson C
Lobeck LJ, Dotson RM, Sulaiman AR, Jaradeh SS, Maas EF, Kinder D: Myasthenia gravis associated with mitochondrial myopathy, 1206-A
Lockett LJ, see Nomizu S
Loermans H, see Reggiani C
Logigian EL, Kelly Jr JJ, Tang W, Efferson-Bonachea N, Stevenson P, Adelman LS: Nerve conduction and biopsy studies in polyneuropathy, 1181-A
Logigian EL, see Preston DC
see Raynor EM
Lopate G, see Yee WC
Lou J-S, Hallett M: Systematic errors in multijoint coordination in patients with cerebellar deficits, 1171-A
Lou JS, see Valls-Sole J
Lovelace RE, see Cafferty MS
see Thomas FP
Low PA, Opfer-Gehrking TL: Differential effects of amitriptyline on sudomotor, cardiovagal, and adrenergic function in human subjects, 1340
Low PA, see Stewart JD
Luciano CA, Richardson PK, Knox S, Dalakas M: Comparison of

electrophysiologic studies in patients with paraproteinemic demyelinating polyneuropathy and chronic inflammatory demyelinating polyneuropathy, 1178-A
Lyden SP, see Quinlan JG

M

Maas EF, see Lobeck LJ
Maccabee PJ, Hassan NF: AAEM minimonograph #39: digital filtering: basic concepts and application to evoked potentials, 865
Macdonell RAL, Cros D, Shahani BT: Lumbosacral nerve root stimularion comparing electrical with surface magnetic coil techniques, 885
Mackin GA, see Bird SJ
see Shefner JM
Macneil M, see Xiang Y
Müller CR, see Gold R
Maggiano H, Levin KH, Wilbourn AJ: C6 and C7 cervical radiculopathy: comparison of surgical and EMG localization, 1203-A
Magistris M, Roth G: Motor neuropathy with multifocal persistent conduction blocks, 1056-L
Maher L, see Spitzer AR
Malouin F, see Huard J
Maltin CA, Delday MI, Hay SM, Baillie AGS: Denervation increases clenbuterol sensitivity in muscle from young rats, 188
Maltin CA, Delday MI: Satellite cells in innervated and denervated muscles treated with clenbuterol, 919
Maltin CA, see Mantle D
Mandel JD, see Del Toro DR
see Park TA
Mandel JD, Wertsch JJ, Del Toro DR: Early and late median premotor potentials, 1185-A
Mandel JD, Wertsch JJ: Median and ulnar latencies to flexor pollicis brevis: normal values and findings in carpal tunnel syndrome, 1187-A
Mandel JD, Wertsch JJ, Park TA, Del Toro DR: Median premotor potentials in carpal tunnel syndrome, 1192-A
Mantle D, Delday MI, Maltin CA: Effect of clenbuterol on protease activities and protein levels in rat muscle, 471
Maraganore DM, see Strommen J
Martin J, see Hicks AL
Maselli RA: Analysis of the organophosphate-induced electromyographic response to repetitive nerve stimulation: two types of end-plate depolarization account for the two most common patterns of decrement. A reply, 1370-L
Maselli RA, Burnett ME, Tonsgard JH: In vitro microelectrode study of neuromuscular transmission in a case of botulism, 273
Maselli RA, Cashman NR, Wollman RL, Salazar-Grueso EF, Roos R: Neuromuscular transmission as a function of motor unit size in patients with prior poliomyelitis, 648
Maselli RA: Coexistent electrodiagnostic features of anticholinesterase toxicity and myasthenic failure of neuromuscular transmission in a severely weak patient: a potential medical emergency, 1197-A
Maselli RA, see Soliven B
Mason RM, see Bridges LR
Massa R, Carpenter S, Holland P, Karpati G: Loss and renewal of thick myofilaments in gluco-corticoid-treated rat soleus after denervation and reinnervation, 1290
Massa R, see Sancesario G
Mateos FA, see Puig JG
Matsuo H, Tsujihata M, Satoh A, Takeo G, Yoshimura T, Nagataki S: Myasthenogenicity of a human acetylcholine receptor α-subunit peptide: morphology and immunology, 282
Matsuoka T, Goto Y, Hasegawa H, Nonaka I: Segmental cytochrome *c*-oxidase deficiency in CPEO: teased muscle fiber analysis, 209
Matsuoka T, see Wu C-M
Matthews Jr MK, see Yagnik PM
Maurer C, Ross MA, Santangelo M: Management of pain associated with EMG: a comparison of cognitive-behavioral techniques, 1188-A
Mayer RF, see Rudnicki S
Mayhew TM, see Wigmore PM
McAllister V, see Veitch JE
McCarter RJ, see Dupont-Versteegden EE
McGeachie JK, see Grounds MD
Mckee MK, see Quinlan JG
McKenna MJ, see Redmond JMT
McLeod JG: Invited review: autonomic dysfunction in peripheral nerve disease, 3
McVey AL, see Ridings LW
Mechalchuk CL, Bressler BH: Contractility of mdx skeletal muscle after denervation and devascularization, 310
Mellits D, see Cornblath DR
Mendell JR, see Prior TW
Meng G, see Gold R
Menon NK, see Misra AK
Merchant RN, see Watson BV
Merello M, see Nogués MA
Meurers B, see Gold R
Meyer-Demarest SD, see St. Clair JA
Mhiri C, see Bélec L
Miguel MA, see Nogués MA
Mihelin M, see Trontelj JV
Miller RG, Buchthal F: Case-of-the-month: autosomal recessive myotonia congenita: marked muscle weakness in a 16-year-old boy, 111
Miller RG, see Blau HM
see Moussavi RS
Miller TA, Newall A, Jackson DA: H-reflexes in the upper extremity: flexor carpi radialis, brachioradialis and extensor carpi radialis and the effects of voluntary contraction, 1194-A
Miller VS, see Donofrio PD
Miranda ME, see Puig JG
Mishra SK, see Misra AK
Misra AK, Menon NK, Mishra SK: Abnormal distribution of desmin and vimentin in myofibers in adult onset myotubular myopathy, 1246
Mitsumoto H, Bradley WG: Mitochondrial abnormalities in oculopharyngeal muscular dystrophy, 1210-L
Mitsumoto H, Estes ML, Wilbourn AJ, Culver JE: Perineurial cell hypertrophic mononeuropathy manifesting as carpal tunnel syndrome, 1364
Mitsumoto H, see Shields Jr RW
Miyatake T, see Yuki N
Moggio M, Fagiolari G, Prelle A, Gallanti A, Sciacco M, Scarlato G: Lack of anionic phospholipid calcium binding sites in Duchenne muscular dystrophy, 325
Molenaar PC, see Jennekens FGI
Møller AR, see Schmid UD
Montagna P, see Barbiroli B
Moo JB, Kraft GH, Bronstein A, West A, Goodkin R, Kliot M: Magnetic resonance imaging and EMG in evaluation of denervated muscle, 1183-A
Moon A, see Trojaborg WT
Morgenlander JC, Sanders DB: Assessment of physician acceptance of electromyography reports, 1196-A
Morgenlander JC, Sanders DB: Coincident multiple sclerosis and monomelic amyotrophy in a young man, 1198-A
Morrison EH, see Wigmore PM
Moses S, see Amit R
Moss J, see Bridges LR
Mouallem M, see Pauzner R
Moussavi RS, Lehman SL, Miller RG: Dantrolene sodium and fatigue of long duration, 384
Murray NMF, see Howard RS
Mykles DL, see Beyette JR

N

Nagaoka M, see Kakuda N
Nagataki S, see Matsuo H
Naji A, see Shrager JB
Nakamura M, see Hashimoto S
Nakamura Y, see Imaoka H
Nakano S, Shimohama S, Saitoh T, Akiguchi I, Kimura J: Localization of protein kinase C in human skeletal muscle, 496
Nandedkar SD, see Barkhaus PE
see Patock T
Nandedkar SD, Stålberg EV, Sanders DB: Computer simulation of positive sharp waves, 1191-A
Navarro C, see Graham SC
Neahring RK, see Ross MA
Neely SE, see Tanhehco JL
Neering IR, see Dangain J

Nerenberg M, see Higuchi I
Neufeld MY, Josiphov J, Korczyn AD: Demyelinating peripheral neuropathy in Creutzfeldt–Jakob disease, 1234
Newall A, see Miller TA
Nielsen PA, see Everts ME
Niles C, see Feldman RG
Niles L, see Yaar I
Nix WA, Scherer A: Single fiber macro versus concentric trigger macro EMG: a comparison of methods, 193
Nogúes M, see Rivero AD
Nogués MA, Pardal AM, Merello M, Miguel MA: SEPs and CNS magnetic stimulation in syringomyelia, 993
Nogueira MC, see Herbaut AG
Nomizu S, Person DA, Saito C, Lockett LJ: A unique case of reducing body myopathy, 463
Nonaka I, see Matsuoka T
see Wu C-M
Nordlund A-S, see Lexell J
Nucciotti R, see Santoro L
Nukada H: Mild ischemia causes severe pathological changes in experimental diabetic nerve, 1116

O

Odderson IR, Halar EM: Localization of nerve depolarization with magnetic stimulation, 711
Oestreich L, see Donofrio PD
Oh SJ: Conduction block in hereditary motor sensory neuropathy, type I: case report, 521-L
Oh SJ, Joy JL, Sunwoo I, Kuruoglu R: A case of chronic sensory demyelinating neuropathy responding to immunotherapies, 255-L
Oh SJ, Kim DE, Kuruoglu R, Bradley RJ, Dwyer D: Diagnostic sensitivity of the laboratory tests in myasthenia gravis, 720
Oh SJ, see Claussen GC
see Hah JS
see Head TC
see James GL
see Kuruoglu HR
Olney RK: AAEM minimonograph #38: neuropathies in connective tissue disease, 531
Olney RK, Schleimer JA: Intraexaminer and interexaminer reproducibility of nerve conduction measurements in diabetics with mild polyneuropathy, 1195-A
Olney RK, see Engstrom JW
see Fraser JL
see Schleimer JA
Onar M: Polyglucosan body disease, 519-L
Ongerboer BW, see Hoogendijk JE
Onley RK, see Engstrom JW
Onur R, see Topaktas S
Opfer-Gehrking TL, see Low PA
Ørding H, see Everts ME
Osame M, see Higuchi I
Osborn MA, see Pavot AP
Otis J, see Rich J

P

Pamphlett R, Bayliss A: Lead uptake in motor axons, 620
Pant B, see Eisen A
see Stewart H
Pant B, Stewart H, Eisen AA: Neuralgic amyotrophy with isolated anterior interosseous nerve palsy, 1184-A
Panzer JM, see Herbaut AG
Papp AC, see Prior TW
Pardal AM, see Nogués MA
Park TA, Del Toro DR, Mandel JD, Wertsch JJ: Anatomy of the medial calcaneal nerve, 1187-A
Park TA, Del Toro DR, Wertsch JJ: The effect of long stimulus durations at 20% supramaximal stimulus intensity on distal motor latencies, 1188-A
Park TA, see Del Toro DR
see Mandel JD
Parkes A, see Bolton CF
Parry GJG: Motor neuropathy with multifocal persistent conduction blocks (a reply), 1057-L
Patel AT, Robinson LR: Influence of interelectrode separation on the median nerve compound motor action potential, 1188-A
Patel AT, Robinson LR: Ulnar nerve motor conduction latency to the adductor pollicis muscle, 1187-A
Patock T, Nandedkar SD, Sanders DS: Muap analysis using Bayes classifier, 967-L
Pauzner R, Blatt I, Mouallem M, Farfel Z, Sadeh M: Oculopharyngeal muscular dystrophy and mitochondrial abnormalities (a reply), 1055-L
Pavlath GK, see Blau HM
Pavot AP, Jacob E, Osborn MA, Ignacio D: Somatosensory evoked potential latencies in diabetic and nondiabetic patients with stroke, 1191-A
Pearlman RL, see Claussen GC
see Head TC
Peeples D, see Yee WC
Person DA, see Nomizu S
Pestronk A, see Cornblath DR
see Yee WC
Pestronk GJPA, Kaiser KK, Brooke MH: ATPase stain in muscle histochemistry, 258-L
Peterson AR, Giuliani MJ: Reproducibility of digit 4 versus palmar nerve conduction studies: clinical implications, 1183-A
Peterson AR, Giuliani MJ, Snyderman C, Hegde SK: Electrophysiologic assessment after neck dissection, 1182-A
Petroff GA, see Rogers OL
Petty GW, see Thomas FP
Phillips LH: Electrophysiological mapping: a reply, 966-L
Pickett JB: Insulin increases amino acid transport into rat soleus motor axons, 761
Pierotti D, see Graham SC
Pilch JF, Costigan DA, Krendel DA: Myasthenia gravis presenting as weakness between hemodialysis: possible role of magnesium, 1204-A
Portegies P, see Herzberg NH
Posas HN, Rivner MH: Deep peroneal sensory neuropathy, 745-L
Prelle A, see Moggio M
Preston DC, Adelman LS: Microsporidosis myositis in a patient with acquired immune deficiency syndrome: electrophysiology and pathology, 1206-A
Preston DC, Logigian EL: Lumbrical and interossei recording in carpal tunnel syndrome, 1253
Pridgeon RM, see Campbell WW
Pringle CE, see Brown WF
Prior TW, Papp AC, Snyder PJ, Mendell JR: Case of the month: germline mosaicism in carriers of duchenne muscular dystrophy, 960
Proctor SP, see Feldman RG
Puig JG, DE Miguel E, Mateos FA, Miranda ME, Romera NM, Espinosa A, Gijón J: McArdle's disease and gout, 822
Pujol M, see Valls-Sole J

Q

Quaskey SA, see Cornblath DR
Quinlan JG, Johnson SR, Mckee MK, Lyden SP: Twitch and tetanus in mdx mouse muscle, 837

R

Ragno M, see Santoro L
Randall B, see Streib EW
Raps EC, see Bird SJ
Rayner S, see Yang J
Raynor EM, see Sachs GM
Raynor EM, Shefner JM, Logigian EL: Sensory and mixed nerve conduction studies in the evaluation of ulnar neuropathy at the elbow, 1186-A
Redmond JMT, McKenna MJ, Feingold M: Sensory testing versus nerve conduction velocity in diabetic polyneuropathy, 1334
Reggiani C, Brocks L, Wirtz P, Loermans H, te Kronnie G: Myosin isoforms in hindlimb muscles of normal and dystrophic (ReJ129 dy/dy) mice, 199
Rehder J, see Robinson LR
Rehm SJ, see Shields Jr RW
Reich SG, see Chaudhry V
Reichmann H, see Gold R
Reiners K, see Hömberg V
Reinking RM, see Enoka RM
Reni L, see Abbruzzese M
Rice CL, Vollmer TL, Bigland-Ritchie B: Neuromuscular responses of patients with multiple sclerosis, 1123
Rich J, Sabin T, Otis J: Electromyographic evidence of bilateral cervical radiculopathies as the only manifestation of intrinsic cord lesion, 1198-A
Rich JM, Sabin T, Cros D: Focal tetanus, 1177-A
Richards CL, see Huard J
Richardson PK: Femoral

mononeuropathy caused by an isolated neurofibroma, 1182-A
Richardson PK, see Luciano CA
Ridings LW, Jackson CE, Rogers S, McVey AL, Barohn RJ: Electrophysiologic evidence for neuromuscular blockade following prolonged paralysis with curare-like agents, 1205-A
Rivero AD, Nogúes M: Single fiber EMG in myasthenia gravis: findings in 100 patients and monitoring during treatment, 1205-A
Rivner MH, see Posas HN
Robertson KR, see Rogers OL
Robinson LR, DeVita MA, Rehder J, Hattler B, Cohen C: Association between radiologic, sonographic and electrophysiologic findings in phrenic neuropathy after open-heart surgery, 1173-A
Robinson LR, see Little JW
see Patel AT
Rodnitzky RL: Review of *Huntington's Disease*, 747-B
Rodriquez AA, Harmon RL, Ford CN: Percutaneous approach to posterior cricoarytenoids with a curved electromyographic needle electrode, 1197-A
Rodriquez AA, see Harmon RL
Rogers LR, see Sheilds Jr RW
Rogers OL, Donovan MK, Petroff GA, Robertson KR, Hall CD: Electrophysiologic changes over time in the peripheral nerves of subjects infected with the human immunodeficiency virus, 1176-A
Rogers S, see Ridings LW
Rolleri M, see Hening WA
Romaniuk JR, see Lin VWH
Romera NM, see Puig JG
Roongta SM, see Triggs WJ
Roos R, see Maselli RA
Rosati G, see Aiello I
Rose S, see Conwit RA
Ross MA, Neahring RK, Afifi AK: Repetitive nerve stimulation in juvenile myasthenia gravis, 1200-A
Ross MA: Review of *Guillain–Barré syndrome*, 259-B
Ross MA, see Leis AA
see Maurer C
Roth G, see Magistris M
Rouseev R, Ashby P, Basinski A, Sharpe JA: Single fiber EMG in the frontalis muscle in ocular myasthenia: specificity and sensitivity, 399
Rowland LP, see Cafferty MS
Roy R, see Huard J
Roy RR, see Graham SC
Ruacan S, see Topaktas S
Rubenstein RS, see Swenson MR
Rubin M, see Heise CW
Rudnicki S, Vriesendorp F, Koski CL, Mayer RF: Electrophysiologic studies in the Guillain–Barré syndrome: effects of plasma exchange and antibody rebound, 57
Rymer WZ, see Walk D

S

Saadeh P, see Crisafulli CM
Sabin T, see Rich J
see Rich JM
Sachs GM, Raynor EM, Shefner JM: Anomalous innervation of the hand: ulnar motor predominance with normal sensory distribution, 1186-A
Sadeh M, see Pauzner R
Sadiq SA, see Thomas FP
Sahni KS, see Campbell WW
Saito C, see Nomizu S
Saitoh T, see Nakano S
Salazar-Grueso EF, see Maselli RA
Salmons S: Myotrophic effects of an anabolic steroid in rabbit limb muscles, 806
Salmons S, see Brownson C
Sancesario G, Massa R, Anzil AP, Bernardi G: Active muscle length reduction progressively damages soleus in hindlimb-suspended rabbits, 1002
Sánchez-Mejorada G, Alonso-DEFlorida F: Changes in mast cell distribution in skeletal muscle after denervation, 716
Sanders DB, see Morgenlander JC
see Nandedkar SD
Sanders DB: The effect of firing rate on neuromuscular jitter in Lambert–Eaton myasthenic syndrome, 256-L
Sanders DS, see Patock T
Sanders I, see Simpson DM
Santangelo M, see Maurer C
Santoro L, Barbieri F, Nucciotti R, Battaglia F, Crispi F, Ragno M, Greco P, Caruso G: Amiodarone-induced experimental acute neuropathy in rats, 788
Sato S, see Yuki N
Satoh A, see Matsuo H
Sau GF, see Aiello I
Sawchak JA, Leung B, Shafiq SA: Evidence for new isoform of fast myosin heavy chain in rat skeletal muscle, 1349
Scarlato G, see Moggio M
Scherer A, see Nix WA
Schleimer JA, Engstrom JW, So YT, Olney RK: Relative sensitivity of modified-inching and other electrodiagnostic techniques in clinically diagnosed carpal tunnel syndrome, 1174-A
Schleimer JA, see Olney RK
Schmalbruch H, see Bornemann A
Schmid J, see Schmid UD
Schmid UD, Møller AR, Schmid J: Transcranial magnetic stimulation of the facial nerve: intraoperative study on the effect of stimulus parameters on the excitation site in man, 829
Schotland DL, see Bird SJ
Schröder JM, see Dieler
Schubert M, see Dengler R
Schulzer M, see Eisen AA
Schwartz MS, see Gantayat M
Schwartz MZ, see Gronert GA
Schwartzman RJ, see Hughes HF
Sciacco M, see Moggio M
Scott AB, see Yoshimura DM
Scott GE, Butterworth J, Walker FO: Sustained focal effects of low-dose intramuscular succinylcholine, 1190-A
Searby C, see Ionasescu VV
Segawa Y, see Hashimoto S
Segura D, see Arenas J
Selig M, see Yang J
Sethna N, see Shapiro F
Shafiq SA, see Sawchak JA
Shah M, see Ho SL
Shahani B, see Cros D
Shahani BT, see Macdonell RAL
Shapira Y, see Amit R
Shapiro F, Sethna N, Colan S, Wohl ME, Specht L: Spinal fusion in Duchenne muscular distrophy: a multidisciplinary approach, 604
Sharma K, see Blau HM
Sharpe JA, see Rouseev R
Shefner JM, Buchthal F, Krarup C: Recurrent potentials in human peripheral sensory nerve: possible evidence of primary afferent depolarization of the spinal cord, 1354
Shefner JM, Carter JL, Krarup C: Peripheral sensory abnormalities in patients with multiple sclerosis, 73
Shefner JM, Mackin GA, Dawson DM: Lower motor neuron dysfunction in patients with multiple sclerosis, 1198-A
Shefner JM, Mackin GA, Dawson DM: Lower motor neuron dysfunction in patients with multiple sclerosis, 1265
Shefner JM, see Raynor EM
see Sachs GM
Sherman WH, see Thomas FP
Shields Jr RW, Estes M, Rogers LR, Lichtin AE, Rehm SJ, Mitsumoto H: Sensory perineuritis with peripheral lymphocytosis, 1180-A
Shimoda O, see Ando Y
Shimohama S, see Nakano S
Shin DM, see Forman AD
Shinozawa K, see Yuki N
Shkrum M, see Bolton CF
Shoji S: In vitro glucose uptake by fast and slow skeletal muscles in dystrophic mice, 971-L
Shrager JB, Naji A, Kelly AM, Stedman HH: A PCR-based assay for the wild-type dystrophin gene transferred into the mdx mouse, 1133
Siegel IM: A new instrument for obtaining tissue biopsy of muscle: a reply, 515-L
Silverstein BA, see Stetson DS
Sima AAF, see Simmons Z
Simmons Z, Albers JW, Sima AAF: Case-of-the-month: perineuritis presenting as mononeuritis multiplex, 630
Simpson DM, Kaufmann H, Sanders I, Wolfe DE: Laryngeal dystonia in multiple system atrophy, 1213-L
Sjöström M, see Lexell J
Slimp JC, see Snowden ML
Snowden ML, Haselkorn JK, Kraft GH, Bronstein AD, Bigos SJ, Slimp JC, Stolov WC: Dermatomal somatosensory evoked potentials in the diagnosis of lumbosacral spinal

stenosis: comparison with imaging studies, 1036
Snyder PJ, see Prior TW
Snyderman C, see Peterson AR
So YT, see Schleimer JA
Sofer S, see Amit R
Soliven B, Maselli RA: Single motor unit H-reflex in motor neuron disorders, 656
Soso MJ, Jannetta PJ, Giuliani MJ: Touch sensation and blink reflexes in trigeminal neuralgia, 1184-A
Soza MA: A new instrument for obtaining tissue biopsy of muscle, 515-L
Spaans F, see Jennekens FGI
Specht L, see Shapiro F
Spitzer AR, Giancarlo T, Maher L, Awerbuch G, Bowles A: Neuromuscular causes of prolonged ventilator dependency, 682
St. Clair JA, Meyer-Demarest SD, Ham RG: Improved medium with EGF and BSA for differentiated human skeletal muscle cells, 774
Stagliano N, see Baran EM
Stanton C, see Donofrio PD
Starr A, see Zhu Y
Stashuk D, Komori T, Doherty TJ, Brown WF: Automatic analysis of F-responses: new methods for deriving motor unit estimates and analyzing relative latencies and conduction velocities in single motor fibers, 1204-A
Stashuk DW, Doherty TJ, Brown WF: EMG signal decomposition applied to motor unit estimates, 1191-A
Stebbins GT, see Buchman AS
Stedman HH, see Shrager JB
Stegeman DF, see Gootzen TH
Steinman L, see Blau HM
Stetson DS, Albers JW, Silverstein BA, Wolfe RA: Effects of age, sex, and anthropometric factors on nerve conduction measures, 1095
Stevenson P, see Logigian EL
Stewart H, Eisen AA, Pant B, Xiang Y: Computerized correlation of fasciculations with motor evoked potentials recorded by single fiber EMG in amyotrophic lateral sclerosis indicates a shared cortical origin, 1200-A
Stewart H, see Eisen AA
see Pant B
Stewart JD: Electrophysiological mapping of the segmental anatomy of the muscles of the lower extremity, 965-L
Stewart JD, Low PA, Fealey RD: Distal small fiber neuropathy: results of tests of sweating and autonomic cardiovascular reflexes, 661
Stolov WC, see Snowden ML
Strauch B, see Herskovitz S
Streib EW, Randall B: Symmetric pyramidal tract degeneration by magnetic resonance imaging in two young patients with focal lower motor neuron disease, 1199-A
Streib EW, Sun SF: Idiopathic painful symmetric lumbosacral polyradiculoneuropathy: a limited form of acute inflammatory demyelinating polyneuropathy, 1179-A
Strommen J, Maraganore DM, Ahlskog JE, Litchy WJ: Jaw opening dystonia: treatment with botulinum toxin, 1177-A
Stuart DG, see Enoka RM
Stålberg E, see Trontelj JV
see Trontilj JV
Stålberg EV, see Nandedkar SD
Subramony SH, see Thiel CA
Sulaiman AR, see Lobeck LJ
Summers AM, see Ionasescu VV
Sumner AJ: Conduction block in hereditary motor and sensory neuropathy type I: a reply, 523-L
Sumner AJ: Professor Roger Gilliatt, 125
Sun SF, see Streib EW
Sunwoo I, see Oh SJ
Supinski GS, see Lin VWH
Surides S, see Cafferty MS
Swash M, Ingram DA: Adverse effect of verapamil in myasthenia gravis, 396
Swash M, see Gantayat M
see Waterston JA
Swenson MR, Rubenstein RS: Phrenic nerve conduction studies, 597
Swenson MR, see Ellis RJ

T

Tågerud S, see Elmquist S
Tahmoush AJ, see Hughes HF
Tajima K, see Higuchi I
Takahashi M, see Imaoka H
Takemitsu M, see Wu C-M
Takeo G, see Matsuo H
Tall M, see Conwit RA
Talley C, see Haig AJ
Tami TA, see Yoshimura DM
Tanabe H, see Yokota T
Tanaka R, see Kakuda N
Tang W, see Logigian EL
Tanhehco JL, Wiechers DO, Golbus J, Neely SE: Eosinophilia-myalgia syndrome: myopathic electrodiagnostic characteristics, 561
Tarui S, see Imaoka H
Taylor C, see Lexell J
Taylor CC, see Lexell J
te Kronnie G, see Reggiani C
ter Bruggen JP, Tijssen CC, Brunner HG, van Oost BA, Bastiaensen LAK: Eye movement disorder: an early expression of the myotonic dystrophy gene, 358
Thiel CA, Subramony SH, Vedanarayanan V: Electrodiagnostic findings in childhood Guillain–Barré syndrome, 1176-A
Thomas CK, see Bigland-Ritchie BR
Thomas FP, Lovelace RE, Ding X-S, Sadiq SA, Petty GW, Sherman WH, Latov N, Hays AP: Vasculitic neuropathy in a patient with cryoglobulinemia and anti-mag IGM monoclonal gammopathy, 891
Thomas HF, see James GL
Thompson B, Butterworth J, Jackson D, James R, Walker FO: Human median nerve block: the neurophysiology of local anesthetics, 1193-A
Thompson PA, Barohn RA, Krolick KA: Repetitive nerve stimulation vs. twitch tension in rats with EAMG, 94
Tidore, B, see Aiello I
Tijssen CC, see ter Bruggen JP
Tolosa ES, see Valls-Sole J
Tonsgard JH, see Maselli RA
Topaktas S, Dalkara T, Onur R, Ruacan S: Intrathymic injection of D-penicillamine does not induce myasthenia-like disorder in the mouse and rat, 1299-L
Topka H, Hallett M: Perioral reflexes in orofacial dyskinesia and spasmodic dysphonia, 1016
Tornabene J, see Gilchrist JM
Toyka KV, see Hömberg V
Traccis S, see Aiello I
Trayanova N, see Enoka RM
Tremblay JP, see Huard J
Triggs WJ, Beric A, Butler IJ, Roongta SM: A congenital myasthenic syndrome refractory to acetylcholinesterase inhibitors, 267
Triggs WJ, Kiers L, Cros D, Chiappa KH: Central motor excitability during the magnetic cortical stimulation silent period, 1200-A
Triggs WJ, see Fang J
Tripolitis L, see Beech J
Trofatter J, see Ionasescu VV
Trojaborg NS, see Trojaborg WT
Trojaborg W, see Liguori R
Trojaborg WT, Moon A, Andersen BB, Trojaborg NS: Sural nerve conduction parameters in normal subjects related to age, gender, temperature, and height: a reappraisal, 666
Trontelj JV, Stålberg E, Mihelin M, Khuraibet A: Jitter of the stimulated motor axon, 449
Trontelj JV, Stålberg E: The effect of firing rate on neuromuscular jitter in Lambert–Eaton masthenic syndrome: a reply, 258-L
Tsounis S, see Chong PST
see Fang J
Tsujihata M, see Matsuo H
Tsujino Y, see Yuki N

V

Völker A, see Dieler R
Valls-Sole J, Lou JS, Hallett M: Electrophysiologic study of brainstem function in patients with olivopontocerebellar atrophy with and without facial action myoclonus, 1171-A
Valls-Sole J, Tolosa ES, Pujol M: Myokymic discharges and enhanced facial nerve reflex responses after recovery from idiopathic facial palsy, 37
Van Den Bergh P, see Gille M
van Oost BA, see ter Bruggen JP
Vedanarayanan V, see Thiel CA
Veitch J, see Brown WF

Veitch JE, McAllister V, Hutton L, Brown WF: Phrenic nerve: diaphragm function following liver transplantation, 1174-A
Veldman H, see Jennekens FGI
Venema HW: Modeling fiber type grouping by a binary Markov random field, 725
Venema HW: Twin peaks, or the histographic analysis revisited, 964-L
Vieregge P, Bein G: Concordant Bell's palsy in monozygotic twins, 1058-L
Viglione MP, Creutz CE, Kim YI: Lambert–Eaton syndrome: antigen–antibody interaction and calcium current inhibition in chromaffin cells, 1325
Vingerhoets DJ, see Gootzen TH
Vodusek DB: Indirect measurement of sensory conduction by sympathetic skin responses, 114-L
Vogt T, see Besser R
Vollmer TL, see Rice CL
Vriesendorp F, see Rudnicki S

W

Wakayama Y: Dystrophin is localized to the plasma membrane of human skeletal muscle fibers by electron-microscopic cytochemical study-a reply, 519-L
Wald A, see Conwit RA
Walk D, Gemperline JJ, Allen SM, Rymer WZ: Relation of surface EMG to motor unit firing rates in spastic hemiparesis, 1177-A
Walker FO: Review of *Laboratory Reference for Clinical Neurophysiology*, 1303-B
Walker FO, see Donofrio PD
see Hamjian JA
see Scott GE
see Thompson B
Waterston JA, Brown MM, Ingram DA, Swash M, Cyclosporin a therapy in paraprotein-associated neuropathy, 445
Watson BV, Brown WF: Collision: a means of assessing conduction in the brachial plexus and adjacent spinal roots in median thenar motor fibers, 1187-A
Watson BV, Brown WF: Quantitation of axon loss and conduction block in acute radial nerve palsies, 768
Watson BV, Merchant RN, Brown WF: Early postoperative ulnar neuropathies following coronary artery bypass surgery, 701
Watson BV, see Doherty TJ
see Komori T
Weber L: Dorsal nerve of the penis nerve conduction velocity: a new technique: a reply, 515-L
Weidman D, Gutmann L, Gutierrez A: Profound postexercise exhaustion in Lambert–Eaton syndrome, 1202-A
Weiss AS, see Howard JF
Werner RA: The effect of wrist-finger extension upon median sensory evoked potentials, 1192-A
Wertsch JJ: AAEM case report #25: anterior interosseous nerve syndrome, 977
Wertsch JJ, see Del Toro DR
see Mandel JD
see Park TA
Wessler I, see Besser R
West A, see Moo JB
Whitenack S, see Baran EM
Whol Me, see Shapiro F
Wiechers DO, see Tanhehco JL
Wigmore PM, Baillie HS, Khan M, Morrison EH, Mayhew TM: Nuclear number during muscle development, 1301-L
Wilbourn AJ, see Maggiano H
see Mitsumoto H
Wilbourn AJ: The anterior tarsal tunnel syndrome revisited, 1175-A
Williams AC, see Ho SL
Wirtz P, see Reggiani C
Wistrand PJ, see Askmark H
Wohlfahrt K, see Dengler R
Wolf E, see Crisafulli CM
Wolf W, see Dengler R
Wolfe DE, see Simpson DM
Wolfe RA, see Stetson DS
Wollman RL, see Maselli RA
Worton RG, see Karpati G
Wu C-M, Matsuoka T, Takemitsu M, Goto Y-I, Nonaka I: An experimental model of mitochondrial myopathy: germanium-induced myopathy and coenzyme Q_{10} administration, 1258
Wu Z, see Chang M

X

Xiang Y, Eisen A, Macneil M, Beddoes MP: Quality control in nerve conduction studies with coupled knowledge-based system approach, 180
Xiang Y, see Stewart H

Y

Yaar I, Niles L: Improved techniques for measuring muscle fiber conduction velocity, 410
Yaar I, Niles L: Muscle fiber conduction velocity and mean power spectrum frequency in neuromuscular disorders and in fatigue, 780
Yagnik PM, Matthews Jr MK, Catalano P: Sensory neuropathy as a clue to the presence of neuroacanthocytosis, 1179-A
Yamada S, see Yuki N
Yamamoto T, see Hashimoto S
Yang J, Seelig M, Rayner S, Bredesen DE: Increasing the proliferative capacity of muscular dystrophy myoblasts, 941
Yarnell P, see Cherington M
Yee WC, Lopate G, Peeples D, Pestronk A: Postparalysis syndrome: sequential electrodiagnostic studies, 1206-A
Yokota T, Kanda T, Hirashima F, Hirose K, Tanabe H: Is acute axonal form of Guillain–Barré syndrome a primary axonopathy?, 1211-L
Yorifuji S, see Imaoka H
Yoshida M, see Higuchi I
Yoshimine K, see Higuchi I
Yoshimura DM, Aminoff MJ, Tami TA, Scott AB: Treatment of hemifacial spasm with botulinum toxin, 1045
Yoshimura T, see Matsuo H
Yoshino H, see Yuki N
Yuki N, Miyatake T, Ichihashi Y, Sato S, Katagiri T: IgM anti-(GalNAc β1-4 Gal[3-2α NeuAc]β1-) antibody-mediated cytotoxicity in a patient with amyotrophic lateral sclerosis-like disorder, 1371-L
Yuki N, Sato S, Fujimoto S, Yamada S, Tsujino Y, Kinoshita A, Itoh T: Serotype of *Campylobacter jejuni*, HLA, and the Guillain–Barré syndrome, 968-L
Yuki N, Sato S, Inuzuka T, Miyatake T, Yoshino H: Axonal degeneration in the Guillain–Barré syndrome and anti-GM_1 ganglioside antibodies, 116-L
Yuki N, Yoshino H, Sato S, Shinozawa K, Miyatake T: Severe acute axonal form of Guillain–Barré syndrome associated with IgG anti-GD_{1a} antibodies, 899

Z

Zaniol P, see Barbiroli B
Zeffiro T, see Fuhr P
Zegers de Beyl D, see Herbaut AG
Zhu Y, Starr A, Haldeman S: H-reflexes of the proximal muscles in lower limb in humans, 1195-A
Zorn I, see Herzberg NH
Zupan A: Long-term electrical stimulation of muscles in children with Duchenne and Becker muscular dystrophy, 362
Zwart R, see Herzberg NH